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SHOUT
SHARE
IT

Vol. 2.

Daily lists of Hymenoptera &c.

1st June 1926.
Crabro leucostomus ♂♂ & ♀♀ hatched out of cocoons taken at large log at Altidore, Co. Wi. cr.

2nd June 1926. Mayfield, Du.

[illegible] Ophion [illegible] taken by George in garden

2/6/26. Ballyhenry quarry. Co. Wi. A.B.
Pemphredon shuckardi 2♂♂, in lane: first time 1926.
Odynerus pictus ♂ seen.
Chrysis ignita seen: first time 1926.
Bombylius canescens seen for first time 1926.
Apoidea as before: Halictus villosulus 1♀, Nomada ruficornis 1♀.
Tenthredinidae
Tenthredella livida ✓RCLP. 1♂, "var. nov." (i.e. with black antennae)
Tenthredo arcuata ♂♂ & ♀♀ &. Selandria serva ✓RCLP. 1♀
[illegible]
Selandria cinereipes ✓RCLP. 1♂.
Nematus fuscipennis ✓RCLP. ♂♂ at alders. Tomostethus luteiventris ✓RCLP. 1♀
Ichneumonidae.
Pimpla rufata ♂?

ARKLOW TRIP JUNE 2-16, 1926.

2/6/26. Sand dunes, Brittas Bay, S. of Mizen Head.
Pompilus sp. ♀ (gibbus?) Co. Wi. A.S. aff.
Andrena sericea ♂♂ & ♀♀, latter very fresh.
[A. fucata ♂ in road inland of]
Tenthredinidae ✓
Selandria ~~stramineipes~~ fürstenbergensis vRCLP. 2 ♀♀ on bracken slope.
Ichneumonidae (all but my small ♀ taken in ditch by road)
Braconid: Dacnusa hians taken by road inland.

2/6/26 evening. Swept in glen by Webb's River, N. of Ferrybank, Arklow, Co. Wi. A.S.
Tenthredinidae. Tenthredo arcuata ♀♀.
Strongylogaster lineatus ♀ on bracken; 1st seen 1926.

Ichneumonidae & ? ✓

All labelled
Arklow District
2.6.26

2/6/26. A.A. Lisney took 1 ♀ Euura atra vRCLP., at Shankill, Du.

— a fine day with sun & cloud & chilly E. wind.

3/6/26. Head of Glenmalure, at Baravore ford. ♂: Co. Wi.
Halictus freygessneri on moraine at Baravore. ✓
Dolerus oblongus vRCLP. 1 ♀ (? in margin S. of ford at Baravore).
„ aeneus vRCLP. 3 ♂♂ 1 ♀ (? in marsh by road W. of Drumgoff).
Selandria flavens vRCLP. 1 ♂ (? shore taken)
var with basal antennal joints not yellow.
Selandria stramineipes vRCLP. 1 ♀ (? shore taken)
„ morio 1 ♀ vRCLP. (? shore taken).
„ serva 3 ♀♀ –
Strombocerus delicatulus vRCLP. 1 ♀ at outlet of "Kettle" in moraine.

All labelled
Glenmalure
3.6.26

Ichneumonidae.
Cryptopimpla anomalunda ? 1 ♂ (included [illegible])

3/6/26. Marsh by river W. of Greenan.
Selandria serva vRCLP. ♀♀ abundant on only patch of Glyceria (? fluitans) in small pool.

Bee Hawkmoth seen!

Labelled
Glenmalure
3.6.26
and G on back of label.

3/6/26.

Steep hillside, SE. of Ballinaclash bridge, Co. W.

Andrena wilkella ♂♂.
Halictus rubicundus ♀♀.
〃 villosulus ♀.
〃 calceatus ♀♀. ✓
Nomada hillana ♂♂ ♀.
〃 flavoguttata ♀.

Ichneumonidae &c.
Pimpla detrita ♀? P. brevicornis ♀?

3/6/26. Marsh near sulphur mines, Avoca, Co. W.
No sawflies seen or swept, except
Selandria serva ? ♂

Ichneumonidae.
Nematinae [illegible] ?

R.A.P. New Ross, Wx 3/6/1926. Sep. 66.

[illegible]

4/6/26. Marshy field between road & railway, 1 mile W. of Arklow (as before): ① & river bank & scrub between rly. & river at same place = ②. A warm sunny day, with S. wind which drove me to seek shelter here: very good ground!

Pemphredon shuckardi ♂♂ at 2. ✓
Crabro leucostomus ♂♂ at 2.
Mysson spinosus ♂♂ at 2 ✓
Vespa rufa & vulgaris ♀♀.
Andrena fucata ♂♂ & ♀♀.
Tenthredella mesomelas ✓R.C.L.P. ♂♂ & ♀♀ at 2. T. livida R.C.L.P. ♂ & ♀ & 1 of var. nor. 2 at 2.
Tenthredo arcuata ♂♂ & ♀♀. ① Selandria serva ✓R.C.L.P. 2 ♀♀ at 1.
Tenthredopsis ♂♂. ②
Emphytus calceatus ✓R.C.L.P. 1 ♀ at 1. Ametastegia equiseti ✓R.C.L.P. 2 ♂ at 1.
Dolerus palustris ✓R.C.L.P. ♂ & ♀ at 1. Loderus vestigialis ✓R.C.L.P., 2 typical ♂♂ at 1.
〃 nigratus ♂ ✓R.C.L.P.
Tomostethus luteiventris ✓R.C.L.P. 3 ♀♀ at 1. Nematus fuscipennis ✓R.C.L.P. ♂♂ on alder at 1.
Braconid: curious ♀ with rounded head, at stump, W. of road near ~~Glenart~~ Ballygrainey! This subsequently turned out to be Histeromerus mystacinus Wesm.! See Marshall. vol. 1. p. 74! Verified by G.T. Lyle!
[illegible] maculata ♀? ✓ [illegible] at Ballygrainey
[illegible] Pimpla [illegible]
[illegible]

Braconid: Oenone [illegible] 2 exs [See also 13/6/26]

4/6/26. W. of Cortelow cont.
Ichneumonidae.

5/6/26. (With R. A. Phillips) to Head of Glennacna waterfall & thence up Tonelagee, 2,686 ft. alt. Co. W.
A most wonderfully sunny warm day!
Orange-tip (♀♀) & Green-veined White Butterflies common about Lough Ouler & up to 2,200 ft. A Painted Lady seen at about 2,400 ft.
Andrena lapponica √RCLP., a ♂ at about 2,200 ft.
Bombus lucorum ♀♀ to about 2,500 ft. at Vaccinium m.
Dolerus aeneus ♂♂ & ♀♀ √RCLP. from waterfall up to summit!
Empria (cf. tridens, with short antennae, RCLP.) not far above waterfall.
Pachynematus clitellatus 4♂♂ & 2♀♀. √RCLP. ♂♂ = xanthocarpus, or auct.
1♀ taken on Lake shore at 1868 ft & one on moraine at ca. 2,000 ft. ♂♂ not far above waterfall, I think.

sunny.
slow Head.
horton ♀♀
tis, No muscorum seen)
, worn ♀♀
.
, at N. end

J. N. Halbert's collecting 1927.

Bethylus fuscicornis. Portmarnock, Du. 17.8.27.

Halictus albipes ♀. Donabate, Du. 3.10.27.

Glypta ceratites 2♀♀. ?
G Lissonota commixta ♀. ?
L. basalis ♀ ?
Halictus albipes ♂.
Donabate, Du. 16.9.27.

Lissonota basalis ? 2♀♀. Finglas, Co. Du. 12.9.27.

Crabro chrysostomus ♀
Halictus albipes ♂
Pachyprotasis -
"Ichneumon" ♂
Athalia lineolata 2♂♂
Powerscourt D (1). 17.8.27.
Co. Wi.

Lissonota bellator ♂ Kilcool, Co. Wi. 17.8.27
" parallela ♀. ? Halictus albipes ♂♂
Glypta monoceros ♀ ? H. tumulorum. Colletes picistigma ♂ & ♀.
Pachynematus myosotidis ♀. "Ichneumon" ♀
var. zaddachi Enslin
v. R.C.L.P.

Mellinus arvensis ♀. Halictus albipes, fresh ♀. Powerscourt, Co. Wi.
Crabro leucostomus ♂ 25.8.27.
Pimpla turionellae ♀
& 4 other ichs

J. N. H. 2.

Pompilus plumbeus ♀. Pompilus rufipes ♀ Kilcool, Co. Wi.
Colletes picistigma ♂ ? 5. 8. 27.
Chelonus
3 spp. icks. Anthrax paniscus.

Bethylus fuscicornis. "Wicklow". 30. 8. 27.
Lissonota bellator ♀. ("The Murrough).
L. basalis ♂. Pteronidea myosotidis ♂. RCLP.
Halictus calceatus ♀.

Myrmosa melanocephala ♀. Powerscourt demesne, Co. Wi
29. 8. 27.

Halictus rubicundus ♂ Powerscourt deerpark, Co. Wi.
H. albipes ♀ (fresh). 29. 8. 27.
Cratichneumon annulator ? 2 ♀♀.

Halictus freygessneri ♂ Kilruddery, Co. Wi.
4 icks. 26. 8. 27.

4/6/26. W. of Arklow cont.
Ichneumonidae.

5/6/26. (With R. A. Phillips) to Head of Glenmacnass waterfall & thence up Tonelagee, 2,686 ft. alt. Co. Wi.
A most wonderfully sunny warm day!
Orange-tips (♀♀) & Green-veined White Butterflies common about Lough Ouler & up to 2,200 ft. A Painted Lady seen at about 2,400 ft.
Andrena lapponica ✓RCLP., a ♂ at about 2,200 ft.
Bombus lucorum ♀♀ to about 2,500 ft. at Vaccinium m.
Dolerus aeneus ♂♂ & ♀♀ ✓RCLP. from waterfall up to summit!
Empria (cf. tridens, with short antennae, RCLP.) not far above waterfall.
Pachynematus clitellatus 4 ♂♂ & 2 ♀♀. ✓RCLP. ♂♂ = xanthocarpus, or auct.
1 ♀ taken on Lake shore at 1868 ft & one on moraine at ca. 2,000 ft.
♂♂ not far above waterfall, I think.

Glypta ? tenuitarsis Th. ANS. ♂ & ♀. = parvicaudata Bdg. fide A. Roman.

6/6/26. morning: warm but not always sunny.
Askintinny: sandhills & S. side of Arklow Head.
Bombus lapidarius ♀♀, agrorum ♀♀, hortorum ♀♀, jonellus ☿♀, lucorum ♀♀ & ☿☿. (No terrestris, No muscorum seen)
Osmia aurulenta ♀ seen.
Andrena sericea ♂♂ & ♀♀. A. nigroaenea, worn ♀♀
" wilkella ♂♂ & ♀♀.
" fucata ♂♂ & ♀♀.
Sphecodes affinis ✓RCLP. ♀♀.
Halictus rubicundus & villosulus ♀♀.
Hylaeus hyalinatus ✓RCLP. ♂♂ common on rocks at N. end
Nomada ruficornis ♀ (R.A.P.).
" goodeniana ♀

6/6/26. Askintinny cont.

Pompilus gibbus 1♂. Crabro palmipes 1♂ (R.A.P.)

Ceropales maculatus 1♂.

Agenia variegata ♀ or ♂?

Odynerus pictus 1♀.

Tenthredinidae

Tenthredo arcuata. Tenthredopsis sp. ♂.

Selandria serva 1♀. S. stramineipes 1♀ ✓RCLP.

Strongylogaster lineata ♀, pale. ✓RCLP.

Ichneumonidae

Clistopyga incitator ♂?

6.6.26. Kilbarrack, Du. C. Dn.

Pristiphora pallidiventris 1♀. ✓RCLP. Empria liturata ?? 1. See RCLP in litt. 30.X.27.

Blennocampa tenuicornis ?? 1♂ RCLP. 30 X.27.

6/6/26. afternoon: terribly hot sun!

Sandhills &c: S. of Kilmichael Point, Co. WX.

Bombus jonellus & lucorum ☿☿ very busy at Rosa spinosissima

Osmia aurulenta ♀, another seen.

Sphecodes affinis ♀ on Bellis.

Nomada goodeniana ♂♂ 2♀♀ (R.A.P.).

Selandria stramineipes 1♀. ✓RCLP.

Dolerus palustris 1♂, in marsh, ✓RCLP.

Strongylogaster lineatus ♀ (R.A.P.)

— seen by Benson 1934.

Amauronematus vittatus Lep. ♀ (fide R.C.L.P. in litt. 22.9.29!) amongst bracken & Rosa, &c. near cliff.

In returning it in Sept. 1929 Dr. Perkins says: "It seems to me to belong certainly to the species which in my papers in E.M.M. I called A. vittatus, which seems to vary much in colour & size. This is the species I formerly called dubiosus n. sp. in my earlier attempts at 'tells', because at that time I considered the species I now call cameroni to be vittatus, Lep., & I suppose both forms have been included under the latter name, but the saws and other characters are different in your individual. I compared & found it to be practically identical with a specimen in the Chitty coll. at Oxford. Chitty's specimen is labelled "leucolaenus" I suppose by Morice, but this must be entirely wrong."

Ichneumonidae

7/6/26. A dull morning turning to S.E. & heavy rain after midday: no collecting.

R.A.P. took ♀. Vespa germanica in garden at Marston & I got ♂ Braconid on round heap at dinner!

8/6/26. A bright sunny morning: turning dull with heavy showers after 11 AM.

Clara Bridge, Co. Wi.

1. = Roadside & "lane" (path) leading to river & woods

2. = Sandy area by river 3/4 mile below 1.

Vespa rufa ♀ at 2.

Nomada marshamella at 1. ✓

" flavoguttata ♂ at 2, in woods.

Halictus rubicundus ♀ & calceatus ♀ at 2.

Psithyrus quadricolor 2 ♂♂ in woods at 2 & a ♀ seen probably this species.

Bombus lucorum ♀♀ & ☿☿, B. jonellus ☿☿ & B. agrorum only.

Tenthredinidae.

Tenthredella mesomela ♂♂ & ♀♀ seen at 2. T. livida ✓RCLP. ♂♂ & ♀♀ at 2.

T. atra. 1 ♀ ✓RCLP. on Sphagnum, by George, in woods

Tenthredopsis spp. ♂♂ only, at 1

Tenthredo arcuata ♂♂ & ♀♀.

Rhogogaster viridis ✓RCLP. 1 ♀ at 2.

Dolerus picipes ✓RCLP. 1 ♀, with yellowish wings, at 2.

" niger ✓R.C.L.P., 1 ♀ in woods near 2.

Athalia lineolata. 1 & 2 - ✓ RCLP.

Tomostethus luteiventris ✓RCLP. at 2. ♀♀.

Cephalanthera — full flowering in woods N. of river.

8/6/26: Clara cont.

Ichneumonidae ♂.

8/6/26. Afternoon: dullish, some sun, warm, windy.

Monaglogh, near Woodenbridge, as before, 2-5 p.m.

Andrena fucata ♀. ✓

Nomada flavoguttata ♂

Tenthredinidae.

Empria (cf. tridens, with long antennae) ✓RCLP. Pachyprotasis rapae 1♂ ✓R.C.L.P.

~~Tenthredinidae~~ ♂♂; Ichneumonidae ♂.

8.6.26. New Ross, Wx. R.A.P.

Selandria stramineipes 1♀ ✓RCLP.

9/6/26. A warm misty morning, with some sun, turning to rain at 3 p.m.

Webb's Glen, N. end of Ferrybank, Arklow, Co. Wi.

Andrena fucata ♀ seen.
Nomada marshamella ♀.
Odynerus pictus ♂.
Vespa sylvestris ♀. ✓
Gorytes mystaceus 3♂♂ 1♀ on bramble leaves.
Nysson spinosus ♂♂, with last.

Tenthredinidae.
Tenthredella mesomelas ♂♂ & ♀♀ seen.
" livida ✓RCLP ♂♂ & ♀♀, some of latter black.
Tenthredopsis sp.? ♂♂.
Tenthredo arcuata ♂♂ & ♀♀ seen.
Dolerus nigratus 1♀, ✓RCLP with yellowish wings.
Pachyprotasis rapae ♀. ✓RCLP.
Athalia lineolata ~~[illegible]~~ 1♀, "queer specimen but can't be paradoxa, I think" RCLP.
Selandria serva ~~[illegible]~~. 1♀ ✓RCLP.
" stramineipes 1♀ ✓ R.C.L.P.
Tomostethus ephippium (= dubium) 1♀ each type & var. nigrans. ✓R.C.L.P.
Tomostethus luteiventris ♀♀ on rushes ✓RCLP.
Taxonus equiseti 1♂. ✓RCLP.

9/6/26. cont. Webb's Glen.

Ichneumonidae
Pimpla instigator, very large ♂ & ♀ seen. P. (rufata ?) ♀ seen.
P. stercorator 7. (= holmgreni Schm.) ♂ fide A. Roman, No. 70. P. "robusta" 2♀♀.
P. spp. ♂ + ♀
Meniscus murinus ♀
[illegible] [illegible] ♂♂

10/6/26. Storm continued: a heavy gale with rain all day!

11/6/26. Gale continues & misty rain nearly all day from S.W. with some blinks of sun. Spent day in Webb's glen at N. end of Ferrybank

Arklow. Co. W.

Gorytes mystaceus ♂♂. ✓

Tenthredella mesomela ♀♀. [illegible]

" lurida ♂♂ & ♀♀ ✓RCLP.

Tenthredo arcuata ♂♂ & ♀♀.

Strombocerus delicatulus ✓RCLP ♂.

Athalia lineolata

Tenthredopsis sp. [illegible]

Thrinax macula 1♀, ✓RCLP, amongst irises. [illegible]

[illegible]

[illegible] 20–30 spp. [illegible]

[illegible]

12/6/26. Gale continues from S.W. but no rain & much sun along coast: collecting nearly impossible owing to wind.

Sandhills &c. at Askintinny, S. of Arklow Hd. Co. W.

Andrena wilkella 1♀ on Pignut.

" sericea. ♀♀.

Halictus villosulus ♀♀

Sphecodes affinis ✓RCLP ♀

" dimidiatus ✓RCLP ♀

All at N. end of strand.

Hylaeus hyalinatus ♂♂ & ♀♀ " "

Crabro clavipes, 1♂ in glen at S end. Crabro palmipes ✓RCLP 4♂♂ 2♀♀ N. end on bramble!

Tenthredella lurida ♂ & ♀. ✓RCLP. Also [illegible] pictus ♀

Athalia lineolata

Selandria stramineipes 2♀♀. ✓RCLP.

Strongylogaster lineata ♀ ovipositing in curled fronds of bracken.

Ichneumonidae. Acroricnus macrobatus 2♂♂ (1 on Spurge flowers) at N. end of strand.

Pimpla turionellae ♂♀ [illegible] ♀

[illegible] ~~Polysphincta tuberosa Grav. ♂♀ fide A. Roman, No. 72.~~

~~Glypta nigricornis~~ ♀. ✓ A Roman. should be 12.7.26 q.v.

16.

13/6/26. Still very windy with mist over hills, very warm & moist, much sun. Old (cut down) woods, meadows, river banks & along railway (below opposite Glenart Castle) 1 mile west of Arklow. Co. Wi.

Bombus hortorum & jonellus ♂♂.
Psithyrus barbutellus, fresh ♀.
Andrena wilkella ♂ & ♀.
" albicans 1 quite fresh ♀ on Heracleum.
" [nigroaenea 1 worn ♀ in Newton garden].
" fucata ♂ worn, ♀♀ fresh.
" angustior, √RCLP. a ♀ on Heracleum by railway.
Halictus rubicundus ♀♀.
" freygessneri ♀.
" calceatus ♀
Sphecodes affinis 1 ♀ on Heracleum.
" divisus 1 ♀ on bank by river.
Nomada marshamella ♀♀. } both sp. on Heracleum.
" bifida? ruficornis ♀♀. }
Gorytes mystaceus ♂♂ & ♀.
Mysson spinosus ♂♂.
Pemphredon lugubris 1 ♂
" shuckardi ♂♂.

17.

Passaloecus monilicornis √RCLP. 2 ♂♂ on oak stump at Ry. cutting
Crabro vagus ♂♂.
" clavipes 1 ♂.
Odynerus trifasciatus 1 ♂
" sinuatus ♂♂.
Vespa rufa 1 ♀.

Tenthredinidae. Tenthredella mesomela ♂♂ & ♀♀. T. livida √RCLP. ♂♂ & ♀♀
Tenthredo arcuata ♂♂ & ♀♀.
Tenthredopsis spp. ♂♂ & ♀♀.
Rhogogaster viridis √RCLP. ♀
Strombocerus delicatulus ♂.
Dolerus haematodes √RCLP. 1 ♀ in marshy meadow between Ry. & river.
Pristiphora ruficornis √RCLP. 1 on bracken by the river.
Athalia lineolata.
[illegible] ?
Pachyprotasis antennata 1 ♂

P.T.O.

13/6/26 cont. 1 mile W. of Arklow by railway!

Ichneumonidae.

Lissonota ~~new sp.~~ maculata? ♀ on same stump amongst rhododendrons in Plumant woods as on 4th inst.

Pimpla brevicornis 1♀ P. [illegible] 1♀

[illegible] alba 1♂ ?

Acroricnus macrobatus ♂♂ seen in ry. cutting.

Phytodietus [illegible] ♂♀.

Sphecophaga vesparum ?

Braconid: Bracon [illegible] seen. [see also 2/6/26].

14/6/26. A fine warm day, with N.W. winds

Rathdrum (hillside S. of Station, E. of ry. & W. of river) valley as far as ry. viaduct S. of station. Co. Wi.

Crabro capitosus ✓RCLP. 1♂ on hazel bush by path just beyond goods yard of station & not far from tunnel.

" vagus ♂♂ & ♀♀.

" palmipes 1.♂.

" dimidiatus ♂♂.

" leucostomus ♂♂ & ♀♀.

~~[illegible]~~ Agenia variegata seen. ✓

Gorytes mystaceus ♂♂ seen.

Mysson spinosus ♂♂ seen.

Odynerus pictus ~~[illegible]~~ ✓RCLP. 1 small ♀ with blackish legs under ry. viaduct

Pompilus nigerrimus ♂♂ & ♀♀ (1♂ taken only).

" spissus ✓RCLP. 2♂♂. "Small" fide RCLP.!

Andrena ~~[illegible]~~ minutula v. parvula 1 old ♀ ✓RCLP. fucata ♂♂, wilkella ♂♂ & ♀♀ seen.

" subopaca ♀ ✓RCLP.

Sphecodes affinis ♀♀. ✓RCLP.

" divisus ♀♀. ✓RCLP. (1♀ ~~might~~ could be variegatus! fide RCLP.!)

" monilicornis 1♀. ✓RCLP.

Nomada marshamella ♀♀ seen.

Halictus various common spp. seen!

14/6/26. Rathdrum cont.

Tenthredinidae

Tenthredella mesomela v. abundant. ♂♂ & ♀♀.

" livida. T. ferruginea 1♂. ✓RCLP.

Selandria serva 2♀♀. ✓RCLP.

Tomostethus luteiventris 1♀ ✓RCLP.

Ichneumonidae.

Lissonota n. sp. maculata ✓ 2♀ at stump on hillside.

From unopened cell of Odynerus sp. on wall at viaduct I extracted a ♀ [illegible] in nymph stage. Hatched out on 18/6/26.

Glypta

Glypta ? haesitator Grav. AWS. ♂ & ♀ = parvicaudata Bdg. fide A. Roman.

14.6.26. Garden at Gardiners Hill, E. Cork. R.A.P.

Emphytus cinctus 1♀ ✓RCLP. Pteronidea ribesii 1♀ ✓RCLP. Cladius difformis 3♀♀.

14/6/26 afternoon (sun only patchy!)

Deputy's Pass, Co. Wi. ArS.

Odynerus trifasciatus ✓RCLP. 2♂♂.

Gorytes mystaceus ✓RCLP. ♂♂.

Mysson spinosus ♂♂.

Andrena ~~[illegible]~~ subopaca ✓RCLP. 1♀.

Sphecodes divisus ✓RCLP. 1♀.

Crabro vagus ♂ ✓RCLP.

✓

Tenthredinidae.

Tomostethus luteiventris ♀ ✓RCLP.

Ichneumonidae.

Glypta elongata 3♂♂ (sent to A. Roman. Dec. 1927)

14/6/26 late aft.

Sandhills S. of Brittas Bay, 5 miles N. of Arklow. Co. Wi.

Ammophila lutaria abundant. 1♀ caught carrying large noctuid caterpillar.

✓

15/6/26. A dull warm day with W. winds. No sun till 4.30 p.m. then fitfull!

Rathdrum Valley (as day before) 12 noon till 5-15 p.m.

Crabro capitosus ♂ on same hazel bush & 1 ♀ on ash lower down slope. The abdomen etc. of the ♀ was nearly covered with mites in hypopus stage.

Other aculeates as before, but both Gorytes mystaceus & Mysson spinosus ♂♂ captured.

✓

Tenthredinidae

Tenthredella livida ♂ & ♀. ✓RCLP. Tenthredella atra 1 ♀ ✓RCLP.

T. ferruginea 1 ♂ ✓RCLP.

Selandria stramineipes 3 ♀♀. ✓RCLP.

Ichneumonidae.

16/6/26. A warm sunny day.

Ballyhenry quarry 12 noon till 2 p.m. (on way home from Arklow) Co. W.

Vespa norvegica ☿☿.

Odynerus parietinus ♂ ✓R.C.L.P.

Agenia variegata 1 ♂. ✓

Pemphredon shuckardi

Bombus lapidarius ♀. Sphecodes divisus ♀.

Psithyrus campestris 1 ♀ fresh.

Other aculeates as before!

Tenthredinidae.

Nematinus fuscipennis ♂ & ♀ ✓RCLP.

Tenthredella livida ♀ ✓RCLP.

Ichneumonidae

Bug. Peritrechus sylvestris, probably taken on sunny side of quarry, New to Ireland fide J.N. Halbert 1932.

20/6/26. A very soft warm day, with much sun!
Deerpark, Powerscourt. Co. Wi.
Sphecodes divisus & affinis ✓RCLP. ♀ ♀♀.
Andrena ~~[illegible]~~ subopaca 2 ♀♀.
Crabro vagus, seen. C. leucostomus ♂♂ + ♀♀ common.
C. cetratus, 3 ♀♀ ✓✓✓RCLP. at logs on hillside 1/4 m. E. of water fall.
Dolerus bimaculatus ♂♂ + ♀♀ ✓RCLP. still common by river.
" gessneri ♂♂ + ♀♀ ✓RCLP. frequent.
" aeneus ♀ ✓RCLP.

✓

Strongylogaster delicatulus ♂♂ + ♀♀ amongst bracken! ✓RCLP.
Pachynematus ~~clitellatus~~ obductus 1 ♀ ✓R.C.L.P.
Lissonota maculata Brischke ~~[illegible]~~ ♀ at log.
Rhyssa persuasoria ♂ + ♀ on fallen tree near gate.
Alomyia debellator all black abdomen

[Rhyssa curvipes ? 1 ♂ labelled "P'court, 15.6.26" may have been taken on this day, 20.6.26 or on 16.5.26 A.W.S.]
A very curious Proctotrypid

Kilbarrack, Du. E. O'M. 20.6.26! Selandria serra ♀ ✓RCLP. Pteronidea myosotidis 1 ♂. ✓R.C.L.P.
Pachynematus clitellatus ♀ ✓RCLP.
Arklow, Wi. J. N. Halbert 23.7.26 Pteronidea myosotidis 1 ♂ ✓RCLP. ♀ (pale) ✓RCLP.

afternoon.
24/6/26. A coldish day & sun usually obscured by clouds.
Head of Dargle (S. side) & sand pit on N. side. Co. Wi.
Sphecodes divisus ? seen, S. monilicornis 1 ♀
S. affinis ✓RCLP., small ♀♀. All in sand pit.
Andrena nigroaenea, worn ♀ seen. ✓ Vespa austriaca 1 ♀ with black blotch on clypeus.
Nomada goodeniana ♀ seen.
Halictus rubicundus & leucopus ♀♀ seen.
Odynerus sinuatus ♂ O. pictus ♂
Selandria serra 1 ♀ ✓RCLP.
Strongylogaster delicatulus 1 ♀.
Ichneumonidae c. 3 spp.

26/6/26. A dull fine day with no sun, except one ten-minute burst at 2-30 p.m.
Lugnaquillia (from Glen of Imaal), Co. Wi.
Dolerus aeneus ✓RCLP ♂♂ + ♀♀ numerous during sun-burst in afternoon in "South Prison" up to edge of summit-plateau (i.e. 3,000 ft.). "Very large". R.C.L.P. 30.X.27.
No other hymenoptera seen but "S. Prison" worth working on a sunny day!
✓
[Andrena fucata ♀ taken in garden of Ballyphilbrook Ho. at 7 p.m. in evening!]

27/6/26. A dull warm day: practically no sun.
Sandhills south of asylum at Portrane, Co. Du.
(Worked large hollows between sea & ~~flat~~-topped house)
Colletes picistigma 1 fresh ♂ on Leontodon.
Bombus lapidarius ☿ seen.
Tachysphex pectinipes ♂♂ + ♀♀ common.
Astata stigma 2♀♀ with [illegible]: NEW TO IRELAND.
Pompilus gibbus ♂♂ + ♀♀.
" rufipes 1♂
" plumbeus ♂♂
Crabro wesmaeli ♂♂ + ♀♀.
" [? peltarius ♀ seen at burrow].
Bethylus fuscicornis √A.W.S., 1 very small ♀.
Pemphredon lethifer 1 small ♀ Not recorded!
Dolerus picipes √R.C.L.P. 1♀ on bent grass.
Ichneumonidae :
Chelonus sp.
Protichneumon sp.

R.A.P. NG & SG. see p. 66.
June 1926.

July ARKLOW TRIP 1926.

1/7/26. A glorious day!
Sandhills at Magherabeg, Co. Wi. A.R.
Pompilus plumbeus ♂♂ + ♀♀ very abundant. Watched ♀ kill spider & bury it near same spot, having dug hole 3/4 inch deep, dragged spider in & covered it up.
P. gibbus 1♀, others seen.
Ceropales maculatus ♂♂ + ♀♀ very abundant.
Tachysphex pectinipes ♀, others seen.
Ammophila lutaria ♀, others seen on both sides of river. ♂, small, taken on Oenanthe crocata flowers by small stream N. of river.
Crabro vagus ♂♂ + ♀♀ at willow log at foot of lane
C. peltarius ♂♂ on alder & sycamore in dunes, ♀♀ carrying in "white flies" ("Thereva") so common in dunes.
C. wesmaeli ♂♂ + ♀♀ very abundant.
Odynerus sinuatus, large ♀ at stump in lane.
Andrena sericea, ♀♀, worn, in dunes.
" fucata, a worn ♂ on bracken by stream.
" saundersella, a small ♀ in dunes.
Halictus smeathmanellus 1♀ on Dandelion on cliffs N. of river
Allantus (Emphytus) cinctus √R.C.L.P. ~~[illegible]~~ ♀ ♂ Lissonota maculata (maculata?) ♀ at willow at ft. of lane.
Perithous mediator ♀ at willow. Ichneumon ♂ [illegible]
Tryphonid sp. Theronia [illegible] [illegible]

2/7/26. Another glorious day, with never a cloud in the sky, but the daily E. breeze very strong & cool & very little flying, except Hylaeus. Askintinny, dunes & cliffs, S. of Arklow Rock, Co. Wi.

Colletes picistigma, a few fresh ♂♂ a bank facing sea S. of cliff at N. end of strand.

Hylaeus hyalinatus, in very great abundance, ♂♂ ♀♀, latter at Rubus, Sedum anglicum & Jasione flowers, last just well out in places.

Andrena sericea, still a few old ♀♀ out.

" gwynana ♂♂, of 2nd brood just out.

Halictus rubicundus, H. villosulus, H. smeathmanellus

H. punctatissimus ♀♀, rare. Sphecodes affinis √R.C.L.P. large ♀.

Odynerus pictus ♂♂ & ♀♀ seen.

Chrysis ignita ♂♂ & ♀♀ seen. Crabro palmipes ♀♀.

~~[illegible]~~ Hedychridium ardens !! √ R.C.L.P. One captured, one or two seen, on cliff
NEW TO IRELAND!
& sandy banks round ruined cottage further S.

Pompilus plumbeus & gibbus ♂♂ & ♀♀.

Ceropales maculatus ♂♂ & ♀♀.

Acrosienus macrostatus ♂ taken at cliff

& [illegible] √

2/7/26. In house at Merton.

3/7/26. Sand dunes ~~[illegible]~~ at Kilgorman, Co. WX.
Another glorious day, with daily E. breeze; but trouble with motor prevented much being done.

Andrena sericea ♀♀ still busy! √

~~Other~~ Crabro wesmaeli, very common about Euphorbia portlandica.

Crabro sp.? seen on Alder (or Pemphredon?).

Pompilus sp. seen like gibbus, but could not capture.

P. plumbeus ♂♂ & ♀♀ common.

3/7/26. Evening 7.0 - 8.0 p.m.
Webb's glen, Ferrybank - Arklow.
Wood White butterfly captured on leaf of blackthorn
Quite fresh specimen.
Odynerus 3-fasciatus ♂ ?
Pimpla maculator ♂ & ♀ ?

4/7/26. A misty morning, turning into glorious day.
Coast at Puck's Bridge (S. of Ennereilly)
4 miles N. of Arklow: Dunes ① & brambly glen ②.
Colletes picistigma ♂♂ & ♀♀ ①+② common. Some fresh.
Andrena sericea ♀♀ still out. ①
" pygmaea 1 fresh ♀ 2nd brood at ② on road.
Osmia aurulenta at 2. ♀♀.
Megachile maritima 1 very fresh ♀ on coast (sandy cliffs) 100 yards N. of stream. Exactly opposite ash tree with cut leaves seen in August 1925!
Odynerus pictus ♂♂ & ♀♀ ①+② & O. 3-marginatus ♂ ①
Also Odynerus parietinus ♂ √RCLP. Not recorded in list 1926. A.W.S.
Crabro wesmaeli ♂♂ & ♀♀ at 1
" chrysostomus ♂ at stump at 2.

4/7/26. (Ennereilly: Pucks Bridge) continued.
Tachysphex pectinipes ♀♀ at 1
Ammophila lutaria ♂♂ & ♀♀ common on all bare sandy spots in dunes. Watched ♀ dig hole for & bury caterpillar (noctuid!) larger than herself & then leave hole open & depart!
Pompilus plumbeus ♂♂ & ♀♀ abundant at 1.
(? Other sp. seen but not caught!).

Allantus (Emphytus) cinctus √RCLP. 2 ~~♂♂~~ ♀♀ at 1.
Tenthredo arcuata ♂♂ & ♀♀
Tomostethus luteiventris √RCLP. 1 ♀ at 2.
Selandria stramineipes √RCLP. 1 ♀ at 1.

Ichneumonidae
Pimpla [illegible] ♀ ? at stump at 2.

5/7/26. A semi-cloudy day, with good spells of hot sun, warm, & followed by a wet night.
Vale of Clara, below Clara Bridge.
1. = road N. of bridge. 2 = path from 1 to river & sandy flat of path
3. = sand flat 1 mile below bridge: as before.
✓ Hylaeus confusus 1 ♂ at 2.
Andrena tarsata, colony at 3 in full swing.
" coitana ♀ on Oenanthe at 3.

Halictus rubicundus, tumulorum, leucopus ♀♀ at 3.

Sphecodes divisus, large ♀ at burrows of H. rubicundus ♂: at 3.
" [affinis ♀ seen at 3]
" [hyalinatus ♀ ?? seen at 3.]
Nomada obtusifrons ♀. S. of river opposite 3.
" hillana ♀♀ at 2 & 3.
" bifida 1 very worn ♀ at 3.
" ruficornis ♀♀ at 3, flying over A. tarsata colony.
(very worn.)
Bombus lucorum ☿☿ & old ♀♀ still out.
" agrorum old ♀♀ still out
Psithyrus ♂ (? barbutellus) seen.
Vespa austriaca 1 ♀ at 2. ✓
" sylvestris at 2.
" norvegica ☿☿ at 2 & 3.
Odynerus pictus seen at 2 & 3.
" sinuatus ♂ at 2.

Clara cont. 5/7/26.
Salius fuscus 1 old ♀.
" notatulus ♂♂ & ♀♀ at stump at lowest end of sand flat at 3. Carrying spider, named by D. R. Pack Beresford, Pardosa pullata
Pompilus nigerrimus ♂♂ at 3. ✓
" gibbus ♀♀ at 3.
" spissus 1 fresh ♀ at upper end of sand flat at 3.
Tachysphex pectinipes, large ♀ at 2, by the path.
Psenulus pallipes ♂♂ flying over stump at 1.
Pemphredon lugubris 1 ♂ at 2.
Crabro podagricus 1 ♂ at 2, flying about Oenanthe.
" peltarius ♀♀ at 2, by path.
" dimidiatus ♂♂ & ♀♀ at 3, ♂♂ at 2 on trees.
" cavifrons ♂♂ at 1.
" varius at 3

Athalia lineolata ♂ var. ✓ R.C.L.P.
Tenthredella [illegible] T. livida ✓ R.C.L.P., black ♀♀, at 3.
Abia sericea ♀ ✓ R.C.L.P. at 3 with S. notatulus! A. candens ✓ R.C.L.P. 2 ♀♀ at same spot.

Ephialtes tuberculatus ♀ in woods, near 2, at base of oak.
Acroricnus macrobatus, large ♂ at 2.

5/7/26: Clara cont.
Ichneumonidae &c, cont.

6/7/26. A cold, dull, windy day, followed by heavy rain at night: only a little sun about noon.
Courtown, Co. WX. Worked old brick yard & Cuthberts'(?) "cutting" therein but saw no bee.
Colletes picistigma 1 fresh ♀ on bracken leaf in dunes ½ mile S. of Harbour. ✓
2 sp. Cryptid Ichneumons. 1 at brick yard & 1 at dunes.

7/7/26. A very hot day & all sunny till 2 p.m. thence dull!
Rathdrum: hillside ① from station to Avondale bridge ② & then back by E. side ③ of river
Bombus lapidarius ♀ seen (& 1 ☿ on following day!).
Megachile centuncularis ✓ RCLP. 1927. ♂ on ivy on wall at station
[Erroneously recorded in 1927 list as versicolor! A.W.S. Nov. 1927.
Coelioxys ~~*elongata*~~ acuminata fide RCLP. 1 ♂ on ash tree on slope below last.
[Erroneously recorded in 1927 list as elongata! A.W.S. Nov. 1927.
Nomada hillana & *ruficornis* ♀♀ seen at 2.
" *obtusifrons* ♀ at 2.
Sphecodes affinis ♀ seen at 2. ✓
Halictus leucopus & *rubicundus* ♀♀ seen.
Andrena jacobi & *fucata* worn ♀♀ at bramble at 1.
" *saundersella* on Cow Parsnip. *A. coitana* ♂♂ & ♀♀ abundant!
" *gwynana*, fresh ♀, 2nd brood.
Vespa vulgaris & *sylvestris* & *norvegica* ☿☿ seen
V. rufa ☿☿ seen, *V. austriaca* 1 ♀ seen at 1.
Odynerus pictus ♂♂ & ♀♀ seen at 1 & 2.
" *trifasciatus* 1 ♂ at 2.
" *sinuatus*, ♀ at 2. ✓
Crabro cavifrons at 2. ♂♂ only
" *dimidiatus* at 1, 2 & 3. ♂♂ & ♀♀.
" *leucostoma* at 1, 2 & 3. ♂♂ & ♀♀.
" *palmipes* ♂♂ at 1 & 2.

7/7/26: Rathdrum continued.

Crabro aphidum 2♂♂ √R.C.L.P. either at 1 or 2.

C. podagricus 1♂ either at 1 or 2.

C. vagus ♂♂ & ♀♀ seen at 2.

Hylaeus confusus ♂ at 2.

Pemphredon lugubris seen

" shuckardi √RCLP } 1♂ of each at 1 & 2. & 1♀ shuckardi

Salius ~~exaltatus~~ lethifer ♂♂ at 2 √

√ lethifer not recorded!

Pompilus nigerrimus ♂, ♀ seen.

" gibbus ~~♂~~ ♀♀ seen.

Tenthredella livida √RCLP ♀, black abd. at 3. T

T. ferruginea √RCLP ♀, "melanic var. comparable with black Croesus," RCLP in oak scrub at 3, N. of quarry.

Tremex grossus
[illegible] of a great [illegible]
[illegible] [illegible]!

7/7/26: Rathdrum cont.

Ichneumonidae &c

Perithous mediator [illegible] [illegible]
Glypta [illegible] [illegible]

Pimpla ovivora Boh. (= angens Grav.). Very large ♀ with dark legs! Fide A. Roman, No. 68.

Polysphincta tuberosa Grav. ♂, Fide A. Roman, No. 71.

8/7/26: a dull, very hot-sticky day with misty rain & practically no sun.

Rathdrum, C. Wi. Same as 7/7/26 but all W. of river

additional spp.

Passaloecus monilicornis 1♂ at 2.

Crabro iv-maculatus 1♀ at 2. √

C. palmipes ♀.

Selandria morio √RCLP 1♀

Lissonota buccator ♀. Roman No. 96.

Homocidus [illegible] ♀, [illegible] = [illegible] Th. Roman No. 122, = n. sp. [illegible] A.W.S. 1934

9/7/26. A warm day, with much sun.
Magheramore (between Brittas Bay & Ardmore Pt.) Co. W.
Old willow at foot of lane = 1; sandy cliffs N. of river = 2; Sand dunes & cliffs at Ardmore Pt. (N. of river) = 3; Dunes S. of river = 4.

Megachile willughbiella 1♂ 1♀ v. hibernica very fresh; latter storing in burrow in rotten log at 1
Andrena gwynana ♂♂ seen at 2.
Colletes picistigma ♂♂ & ♀♀ at 3. — H. punctatissimus 1♂ at 2
Halictus rubicundus fresh ♀♀ & ♂ at 2.
Sphecodes affinis √RCLP. ♀ at 2.
Vespa rufa ♂ & norvegica & vulgaris ♀♀ at 1 & 2.
Odynerus pictus ♂♂ & ♀♀.
" trimarginatus 1♂ on Oenanthe crocata at 3.
sinuatus at post near 1.
Crabro cavifrons ♂ & ♀ at 1.
" peltarius ♂♂ & ♀♀ at 1, 2, 3 & 4.
" vagus ♂♂ & ♀♀ at 1.
" leucostomus ~~seen~~ at 1
" varius ? ♂♂ at 1. √
" clavipes 1♀ at 1. √
" podagricus ? ♂ at 1. √
" wesmaeli ♂♂ & ♀♀ at 3 & 4. √
Passaloecus monilicornis √RCLP. ♀ ? at 1.
Tachysphex pectinipes ♀♀ at 3.

√

Pompilus plumbeus ♂♂ & ♀♀ √RCLP. at 3 & 4.
" gibbus ♂ at 3.
" pectinipes 1♀ at 3 (or ?4). √RCLP. √
Ceropales maculatus ♂♂ & ♀♀ seen.

Selandria ~~temporalis~~ √RCLP. Thoms. 2♀♀ at 3. See RCLP's note: 30.x.27.
[illegible] small [illegible] with [illegible] eggs. } at 3.
Pompilus ~~[illegible]~~ ♀ & ♂ } willow tree at 1.
Braconid 2♀♀ Foenus affectator; }
Chalcid with [illegible] }
" small [illegible] at log nearby;
maculata?
Lisonota maculata ♀ on willow at foot of lane / lane
Clistopyga incitator 2♀♀
Lissonota femorata ? 1♀

40.

10/7/26. Misty rain nearly all day & no sun.
Met J.N. Halbert & A.G. Leney at Rathdrum & spent day between station & Avondale: practically no aculeates seen & most ichneumons captured were round stumps or on trees.

Crabro dimidiatus ♀ resting in station wall.
" leucostomus ♂♂ & ♀♀ quite busy.
" palmipes ♂♂ on ivy at station.

✓

Nematinus luteus ✓R.C.L.P. 1♀ taken by J.N.H. above west end of Avondale bridge but crushed in bottling!

Ischnoceros rusticus (filiformis Kriech.) ♀♀ under bark of tree where Rhagium was.

41.

11/7/26. A very hot, windy day, with much hot sun
Magherabeg, 5 miles S. of Wicklow (as before).
1, 2, 3 & 4 same as on 9/7/26; but 2 not visited.
Colletes seen, as before. Megachile p.t.o.
Andrena [illegible] 1♀ 2nd brood.
" coitana 1♂ near 1.
Halictus freygessneri seen at 3.
Crabros as before.
Pompilus gibbus & plumbeus only
Tachysphex & Cerceris
Mellinus arvensis ♂♂ on Sycamore at 3.
Pemphredon shuckardi [illegible] ✓R.C.L.P., ♀ at willow tree (high up) with very polished & distinctly punctured mesonotum. ✓

When returning this specimen R.C.L.P. said – note dated 30.X.27 that he was now satisfied that we had not a 4th sp. of Pemphredon & that this was far too clearly punctured to be normal shuckardi! A.W.S.

Hedychridium ardens. On tuft of flowers of Euphorbia (paralia. ?) between river & cliffs.

Tenthredella balteata 1♀ ✓R.C.L.P. on burdock S. of 1. on path thro. bracken
Cladius pectinicornis ✓R.C.L.P. 1♀ on Sycamore in dunes at 3.

Lissonota maculata ♀ on willow tree as before.
Chalcid on [illegible] [illegible] [illegible] on [illegible] bridge. [illegible] [illegible] [illegible] probably parasitic on C. rapae (cf with those bred from cocoon of Crabro from Gold Mine Valley.).

Magherabeg cont. 11/7/26.

Megachile willughbiella 1♀ very fresh. Dug out of log at 1. Also burrow made by ♀ taken on 9/7/26 dug out: consisted of 3 cells, made of rose leaves (brought away but honey leaked out with heat of box!)

✓

✓ Plectrocryptus [illegible] 1♂

Pompilus [illegible] ? 1♂ (✓ [illegible] 5.4.1939).

12/7/26. A misty morning, gradually clearing till late aft. when entirely blue sky: very hot. Clara, as before, above Rathdrum, Co. W. Roadside stump = 1; path to river & gravel = 2. Sandflat 1 mile down river = 3; gravel spread S. of river right bank & below Clara bridge = 4. No. 4 not before worked!

Psithyrus quadricolor ♂♂ at 2.

Andrena coitana ♀♀

" tarsata ♂♂ & ♀♀: colony in full blast at 3.

" minutula ♂♂ at 2. Also 1♀. And a ♂ at 3.

"

Halictus: no ♂♂ seen yet here.

Nomada hillana ♀ at 2. (for host see p. 215!) ✓

" ~~flavo~~guttata 1♀ at 2.

Sphecodes divisus ♀♀ at 3.

" affinis ✓R.C.L.P. ♀ at 3.

Vespa austriaca ♀ seen in woods below 4

Odynerus pictus 1, 2 & 3.

" trifasciatus 1♀ in hole in old (? thorn ??) stem at 1.

Myrmosa melanocephala 4 ♂♂ (1 very small) at 3.

12/7/26 : Clara cont.

Crabro varius at 3 in dead stems.
" chrysostomus ♀ at 1
" peltarius 1 ♀ at 3.

Pompilus gibbus 1 small ♀ at 4. ? ✓
" spissus 1 ♀ at 3.
" nigerrimus ♂♂ & ♀♀ at 3.
" approximatus ♂ & ♀ (others seen) at 4. ✓ RCLP
Ceropales maculatus 1 ♀ at 4.
Salius notatulus 1 ♀ at 3, as before.
Tachysphex pectinipes ♂♂ & ♀♀ at 2 & 4.
Pemphredon shuckardi ♀ ✓ RCLP.
Selandria serva ♀ ✓ RCLP at 3.
Dolerus aeneus ✓ RCLP 1 ♂ on S. side of river-bank at 4. Very late date!
Eriades sp. 2 ♂♂ at stump at [illegible] [illegible] specimens.
Acroricnus macrobatus ♀ at 4.
Glypta nigricornis ♀. fide Roman 2/10.25.

13/7/26. A terrifically hot day, after a misty morning: I got very few aculeates out during part of day I was collecting.

Rathdrum; valley from station to Avondale, as before.

Megachile willughbiella var. hibernica 2 ♀♀ very fresh, others seen, nesting in rotting timber of bridge over river, to quarry, above Avondale.
M. versicolor, v. hibernicus; 2 ♀, one with last, other at tree stump by river 200 yards above viaduct & W. of river (1/4 mile above last spot).
Andrena cineraria 1 rather worn ♀ at Rubus at W. end of wooden bridge, by the big stump.
" gwynana ♂ 2nd brood near station
" wilkella ♀ seen. ✓
" jacobi several old worn ♀♀ seen.
" fucata " " " "
" denticulata 1 fresh ♂.
" minutula ✓ RCLP (2nd brood) fresh ♂♂ on path up hill
" outside tunnel below station! ✓ R.C.L.P.
" coitana ♂♂ & ♀♀ common.
Nomada billana ♀ seen.
" flavoguttata ♀♀, fresh (? parasites on A. minutula, 2nd brood).
" obtusifrons ♂♂ & ♀♀. ✓ RCLP.

13/7/26. Rathdrum cont.

Sphecodes divisus & affinis ✓RCLP ♀♀.

Halictus as before

Agenia variegata ♂ & ♀. Pemphredon lethifer 1♂ not recorded.

Vespa austriaca ♀ seen. not recorded

Odynerus pictus } seen. O. trifasciatus 1♂ ✓
" sinuatus } Passaloecus monilicornis 1♀ ✓ RCLP. ~~C. [illegible]~~ "var."

Crabro leucostomus, C. cavifrons, C. varius & C. clavipes.

C. podagricus ♂ & ♀ on Cow Parsnip under S. end of Ry. viaduct above Avondale.

Pompilus spissus 1 (♂♂) 1♀ ✓RCLP. ♂♂ = Salius exaltatus
" nigerrimus
" gibbus

Gasteruption assectator [illegible]

Schizoloma capitata ♂ & ♀

Perithous mediator ♀ at big log at W. end of wooden br.

Lissonota ♀ " "

Glypta elongata ♀ dark var. (sent to A. Roman Dec. 1927!).

14/7/26. Another scorching day!

Arklowing: cliffs S. of Arklow Head & dunes near same.

Halictus rubicundus, H. tumulorum & H. punctatissimus ♂♂.

Hylaeus hyalinatus only a few ♂♂ & 1♀.

Sphecodes affinis, ♀♀ 1♂ & fresh & worn ✓RCLP. S. divisus 1♀ seen.

Pompilus gibbus ♂♂ & ♀♀.

Ceropales maculata ♂♂ & ♀♀. ✓

Arpactus tumidus 1♀ on Wild carrot, S. of head, within 2 yards of place where specimen was taken in Aug. 1925.

Astata stigma 1 worn ♂ swept by J. N. Halbert either here (or on South Strand, Arklow or round head!)

Tachysphex pectinipes ♀ on Wild Carrot.

Hedychridium ardens Two taken (& another large one seen on grassy ditch 200 yds. S. of cliff) at N. end of strand!

Tenthredopsis ♀ on Wild Carrot, on summit of head.

Allantus (Emphytus) cinctus ✓RCLP 1♀ seen on margin of dunes.

Acroricnus macrobatus, fine ♀, seen on rocks S. side of head.

Glypta bicornis, =var. rostrata Holmgr. VAUSH & A. Roman! ♂ without horns on head! Taken on head!

15/7/26. A fine warm day but not so hot as previous days & getting dull later: very windy.

11.30 AM. Pucks Bridge, ½ mile S. of Ennereilly, Co. Wicklow.

Megachile maritima 3♀♀, others seen, on sandy bluff about 100 yards N. of stream, where single ♀ taken on 4/7/26. 'It was probably this species which had been responsible for the cutting of the Ash leaves (inland of the road) at this place, observed in August 1925.' A.W.S.

Colletes picistigma ♂ others seen.

15/7/26. 12 noon till 2 p.m.

Brittas Bay, Sandhills at S. end of bay, just N. of Mizen Head, Co. Wicklow.

Bombus lapidarius ♀♀ & ☿☿ quite a number of this species, conspicuous by its absence most places this year.

~~Colletes picistigma~~ (Coelioxys (? parvispinosa Thom.) 1♀ AWS 1934.

Ammophila lutaria, seen, ♂. ✓

Pompilus plumbeus, Ceropales maculatus & Tachysphex very abundant

Crabro wesmaeli, very abundant also. 'One ♂ [illegible] with semi-striate propodeum taken on Hemlock at bridge where road crosses stream'

[illegible]

[illegible]

1 dipteron Anthrax also taken.

R. A. P.'s collecting.

Balinasloe SG. 1.9.27.

Halictus rubicundus 2♂♂. H. freygessneri 1♂. H. albipes 1♂.

H. villosulus 1♂. ✓ H. nitidiusculus 2♂♂

Sphecodes affinis (?) 1♂.

Salius exaltatus 1♀.

Pemphredon shuckardi 1♀. ✓

Odynerus parietum 1♀. ✓

Mellinus arvensis 1♀.

1 Ichneumon ♀, which looks nice! Crypta

...nity &

... W/.

...l grass.

...took a ♀.

~~...tt~~

1/8/26.

L.D.' oH. 1'7'71.1)

Co. Derry.

✓

R. A. P.'s collecting.

Ballinasloe S.G. 1.9.27.

1 *Halictus rubicundus* 2♂♂. H. *freygessneri* 1♂. H. *albipes* 1♂.

H. villosulus 1♂.✓ *H. nitidiusculus* 2♂♂

Sphecodes affinis (?) 1♂.

Salius exaltatus 1♀.

Pemphredon shuckardi 1♀.✓

Odynerus parietum 1♀.✓

Mellinus arvensis 1♀.

1 Ichneumon ♀, Stick looks nice! Cryptid.

Department of Agriculture and Technical Instruction for Ireland.

Hymenoptera from
Canon Foster 1927.

Strangford, Do. 3.9.27.
Halictus rubicundus ♂ & ♀
H. albipes ♂ & 2 ♀♀.
Ich. sarcitorius ♀.

Strangford, Do. 6.9.27.
Hal. rubicundus ♂ & ♀.
H. albipes 2 ♀♀.
Pemph. lugubris ♀.
Lissonota commixta ♀

Killard, Do. 24.8.27.
Colletes daviesanus ♀
very worn, fide R.C.L.P.
in litt. dated 18.1.28.

Donard Demesne, Do.
28.7.27.
Ich. sarcitorius ♂.

"Bred from A. grossulariata"
Amblyteles armatorius ♀

Strangford, Do. 24.7.27.
Melanichneumon
monostagon, v. luctuosa
♀.

List of Bullock's aculeates
returned 30 Jan. 1928.
(coll. 1927).

Gorytes mystaceus 5♀♀
Nysson spinosus 1♀
Odynerus sinuatus 2♂♂ 3♀♀
O. pictus, 1 large ♂
O. parietum, 1♂.
Crabro vagus 1 large ♂
C. cavifrons 6♂♂ 1♀
C. dimidiatus 1♀
Mellinus arvensis 1♀.
Pemph. lugubris 1♀.
Crabro chrysostomus 1♂, 3♀
C. tibiale 1♂ 1♀.
C. clavipes 1♀.
C. varius 1♂, 3♀♀.
C. aphidum 1♂
Bethylus fuscicornis 2♀
B. ? fulvicornis 1
Psammochares niger. 3♀♀
Ps. gibbus 1♀
Salius exaltatus 2♀♀.
Halictus leucopus 6♀♀
H. freygessneri 1♂.
H. calceatus 17♂♂ 28♀♀.
H. albipes 1♂ 12♀♀.
H. villosulus 2♀♀.
Andrena minutula
1♀ 1st brood
A. saunderella 1♀.
A. subopaca 5♀♀
Sphecodes affinis 1♀.

✓ RCLP.

Barnett's bees.
all Co. L.D.

Sixtowns. 29.9.27.
B. agrorum. ♂♂ & ♀♀. 32.
B. lucorum. " " 10.
B. scrimshiranus 2 ♂♂.

Sixtowns. 1.10.27.
B. agrorum. ♂♂ & ♀♀, 5.
B. lucorum. " " 7.
B. scrimshiranus 2 ♂♂.
Ps. ~~campestris~~ distinctus. 1 ♂.

Sixtowns. 3.10.27.
B. agrorum ♂♂ & ♀♀. 8.
B. lucorum. " " 9.
B. scrimshiranus. " " 4.

Lecumpher near
Slieve Gallion. 25.9.27.
B. agrorum. ♂♂ & ♀♀. 17.
B. lucorum, 2 ♂♂, 2 ♀♀.
Ps. ~~campestris~~ distinctus. 1 ♂

Last bees reported from
Sixtowns 1927 by B.
Oct 10. agrorum 1♂ 1♀.
" 11. 3 black, 3 red (i.e. agrorum).
" 15. 3 agrorum, 1 muscorum
" 17. 1♂ muscorum, agrorum 1♀ 1♀
" 20. agrorum 1♀ on Snowberry
flowers.
None seen after that.

R. A. P. Bees &c.

near Barna, W. Galway. 18.7.26.
Andrena gwynana, 2nd brood. 3♂♂.
Halictus rubicundus. 2♀♀.
" freygessneri 2♀♀.
" nitidiusculus. 1♀.
Tenthredo arcuata.

Beetle: Quedius splendens.
Small, very long bodied hover-fly = Baccha (obscuripennis or elongata ?), Both common.

---

near Athenry, N. Galway. 17.7.26.
Crabro palmipes 2♀♀ (~~? th. or varius~~).
Odynerus parietinus 1♀.
Halictus calceatus 1♀.
Andrena wilkella 1♀, very worn.

Bugs: Rhopalotomus ater
Calocoris roseomaculatus
fide Halbert.

Coole, Gort S. Galway. 21.7.26.
Halictus freygessneri 2♂♂.
Hylaeus confusus 3♂♂. ? ✓

Corkbeg, E. Cork. 28.7.26.
Pompilus ~~spissus~~ ~~2♀~~ [illegible] gibbus 1♂
~~Salius~~ exaltatus 1♀.
~~Andrena~~ Halictus albipes 1♂.
" calceatus 1♂.
Tenthredo arcuata.

---

do - do. 31.7.26.
Odynerus parietinus 1♀ (~~? th. or parietum~~)
Myrmica ruginodis ☿.
Vespa vulgaris 1☿.
Halictus smeathmanellus ~~?~~ 2♂ 2♀♀
" leucopus 1♀

Chrysis ignita

Corkbeg. E. Cork. 1. 8. 26.

Salius exaltatus 1♂ 1♀.

Pompilus gibbus 1♀.

Halictus albipes 1♂.

Sphecodes affinis 2♂♂ (? 3?)

~~Tenthredo arcuata~~

Selandria serva.

Gyleen E. Cork. 2. 8. 26.

Colletes montanus

~~Andrena [illegible]~~ 2♀♀ ([illegible])

Halictus rubicundus 2♀♀.

Ballycroneen, E.C. 5.8. 26.

Halictus rubicundus 5♂♂.

" nitidiusculus 1♂ [illegible] ✓

Colletes ~~[illegible]~~ montanus 1♀ [illegible]

Beetle Silpha subrotundata

Corkbeg, E.C. 6.8. 26.

Salius exaltatus 1♂.

Tenthredo arcuata.

Nice looking yellow sawfly.

Ennis, Co. Clare. 12.8.26.

Halictus rubicundus 5 ♂♂, 3 ♀♀ (all pal.

" albipes 2 ♀♀

" tumulorum 1 ♀.

" smeathmanellus 2 ♂♂ 2 ♀♀.

" leucopus. 3 ♂♂ 2 ♀♀.

~~[illegible]~~

Salius exaltatus 1 ♀.

Fat yellow muffs.

Whitegate, E. Cork. 20.8.26

Crabro cavifrons 1 ♀.

15/7/26. A fine warm day but not so hot as previous days & getting dull later: very windy.
11.30 AM. Buckes Bridge, ½ mile S. of Ennereilly, Co. Wicklow.

Megachile maritima 3♀♀, others seen, on sandy bluff about 100 yards N. of stream, where single ♀ taken on 4/7/26. It was probably this species which had been responsible for the cutting of the Ash leaves (inland of the road) at this place, observed in August 1925! A.W.S.

Colletes picistigma ♂ others seen.

15/7/26. 12 noon till 2 p.m.
Brittas Bay, Sand hills at S. end of bay, just N. of Mizen Head, Co. Wicklow.

Bombus lapidarius ♀♀ & ☿☿ quite a number of this species, conspicuous by its absence most places this year.

~~Colletes picistigma~~ Coelioxys (? parapunctata) 1♀ A.W.S. 1934.

Ammophila lutaria, seen, ♂. ✓

Pompilus plumbeus, Ceropales maculata & Tachysphex very abundant.

Crabro wesmaeli, very abundant also. 1 One ♂ V.R.C.P. with semi-striate propodeum taken on Hemlock at bridge where road crosses stream.

? dipteron Anthrax also taken.

18/7/26. A dull warm day, with heavy mists & rain & thunder later!
The Murrough at Killoughter, Co. Wi.

Ammophila lutaria 1♀.

Ceropales maculata. ✓

Colletes picistigma 2♂♂ swept off bent grass.

Ichneumonidae.

On way to Killoughter I called at Ballyhenry quarry & took a ♀ Megachile versicolor (v. hibernica) on flower of Carduus palustris

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Wasps sent by George Barnett from Owenreagh, Sixtowns, near Draperstown, Co. Derry. 11/8/26. [illegible]

7☿☿ V. norvegica — 24 (♂♂ & ☿☿) Sent on 18/8/26.
5☿☿ V. vulgaris — 64 ☿☿.
3☿☿ V. sylvestris — 48 (♂♂, ♀♀ & ☿☿)
2☿☿ V. rufa. — 6 ☿☿
♂+♀ V. austriaca on 18/8/26. ✓

25/7/26. A fine day, warm & with considerable Sun.
Devil's Glen (upper part) Co. Wi.
Vespa norvegica ♂♂
Odynerus pictus
& its parasite Acroricnus macrobator ♀ seen on rocks by road
Andrena subopaca ♀ ✓R.C.L.P.

Fenusella pygmaea ✓R.C.L.P. 1♀ beaten off oak in damp wood behind log near upper Lodge & stream! Sport, with ~~9~~ 10 joints in antennae." So. R.C.L.P. in litt. 30.X.27.
Tenthredo livida
Ichneumonidae.
Mesochorus politus ♂
Lissonota bellator ♀.

30/7/26. A glorious day.
Ireland's Eye, Co. Du.
Bombus lucorum ♂♂ & ☿☿ abundant. Apis mellifica ☿☿ frequent ? dutch bees.
" terrestris 1♀, freshly out.
" muscorum ☿☿ on Rubus.
" agrorum ☿☿ on Rubus. ✓
Psithyrus campestris ♂♂, pale form & dark form.
Andrena gwynana ♀♀ 2nd brood on Sonchus flowers.
Halictus rubicundus fresh ♂♂, old ♀♀.
" smeathmanellus 1♀ in gully near S.E. corner.
Odynerus pictus ♂♂ & ♀♀ " "
" trimarginatus ♂♂ along S. shore
Vespa sylvestris ☿☿ frequent. V. norvegica 1♂ on Rubus.
Ichneumonidae
Ophion luteus 1♀ which stung me sharply through net.
Astiphromma dorsale 2♂♂ amongst bracken by old church ✓A.R.
Glypta ceratites ♂ (✓A. Roman), G. mensurator ♂ & ♀ (✓A.R.) G. vulnerator ♀ (✓A.R.) ✓A.R.

1/8/26.

①= Ballyhenry Quarry; ② = Murrough at Killoughter; ③ = Quarry & over-flow channel N. of Killoughter Ho.

A warm sunny day, with cold winds along coast.

Bombus lapidarius ♂♂ & ♀♀ common on coast

" muscorum.

Andrena coitana 1 ♂ at 1.

" denticulata 1 fresh ♀ (♂♂ seen?) at 3.

Halictus albipes 1 ♀ at 3. ✓

Megachile versicolor 1 ♀ on Knapweed (C. nigra) at 3.

Ammophila lutaria ♀♀ at 2.

Pompilus gibbus ♂ & ♀ at 2.

" plumbeus ♂♂ & ♀♀ at 2.

Gonatopus ♀ running on shingle beach just at edge of bent zone.

Salius exaltatus ♀ at 1. Allantus (Emphytus) cinctus 1 ♀ ✓R.C.L.P. at 2.

Ichneumonidae &c.

also the diptera Anthrax paniscus & Stratiomys furcata at 2.
& Lepidoptera Epinephele tithonus at 3.

8/8/26. A very hot day, with much sun.

Skerries, Co. Dub. Garden at Shenick's Lodge = 1.
Cliffs at N. end of bay = 2. Sandpit at ry. station = 3.

Bombus lapidarius, workers common.

Halictus rubicundus at 2 & 3. ♂♂ & ♀♀.

" calceatus at 3 ♂.

" smeathmanellus 1 fresh ♀, at 1. } on Erigeron

" leucopus ♂ & ♀ fresh, at 1 }

Pompilus gibbus 1 ♂ at 2. ✓

Crabro cinipes 1 ♂ at 1.

" varius 1 ♀ at 3.

Mellinus arvensis ♂♂ & ♀♀ at 3.

Oxybelus uniglumis 2 ♀ at 3. Large & fresh.

Allantus arcuatus ♀♀ common.

Ichneumonidae &:

Pezomachus [illegible] black ♂ at 2 [illegible] ♂ at 1 black [illegible]
♀ at 2 & ♀ at 1 [illegible]

Chelonus [illegible] at 2 on Wild carrot.

Glypta [illegible] G. bifoveolata ♂ & ♀. ✓ A. Roman.

Pimpla

Lissonota

All on wild carrot & thistle
at 3 or sandpit [illegible]
[illegible]

12/8/26. A fine day with sun & cloud alternating after much broken weather.

Rathdrum: valley from station to Avondale, all on W. of river.

Bombus lapidarius 1☿ seen!

" agrorum some very small "micro ☿☿" seen.

Megachile willughbiella 1♀ on Rubus flower at W. end of Avondale-quarry footbridge.

Andrena denticulata 1♂. ✓

Halictus ♂♂ of rubicundus, freygessneri & albipes seen as also tumulorum & leucopus.

Mellinus arvensis ♂♂ & ♀♀ everywhere.

Crabro cavifrons ♀ seen on log near Avondale bridge.

" 4-maculatus v. common.

" chrysostomus 1♀ near Avondale bridge.

" leucostomus ♂♂ & ♀♀ seen.

Pemphredon lugubris & shuckardi

Chrysis ignita on stump at Avondale bridge.

Tenthredo arcuata & Athalia lineolata the only sawflies seen.

Ichneumonidae &c: Meniscus impressor 2♀♀ at big log by Avondale bridge.

Pimpla instigator large ♀ ovipositing in Strangalia stump by the river!

Glypta mensurator ♀ ✓ A Roman.

15/8/26. A very close, hot, sunny afternoon after a wet misty morning.

Sallins: gravel pit & canal bank by railway ½ mile N. of station: Co. Kildare.

Bombus agrorum & lucorum ☿☿, but very few even of these.

Halictus rubicundus, calceatus, & albipes ♂♂.

Vespa vulgaris ☿☿.

Sphecodes affinis? ♀ on Wild Carrot. ✓

Selandria serva ✓RCLP. & Athalia lineolata

Tenthredella large ♀ (like moniliata) on Angelica by canal but lost.

Tenthredo arcuata v. common.

Pachynematus diaphanus ✓RCLP. 1♂

Ichneumonidae &c. (all ♀ of course!) almost all taken on wild carrot

Lissonota basalis ♀, L. cylindrator 2♂♂ 1♀, L. variabilis 1♀, L. bellator ♂♂ ♀♀.

Glypta bifoveolata 1♀, G. mensurator 1♂, Glypta scutellaris 1♂

Pimpla turionellae 1♂

Collected by R. A. Phillips at
Ennistymon, Co. Clare on 15/8/26.

Bombus agrorum 1 tiny ☿.
Halictus rubicundus ♂, calceatus ♂♂, albipes ♂♂ & ♀♀.
Odynerus sinuatus ♂. ✓
Athalia ~~[illegible]~~ var. lugens ✓RCLP. 1♀.
Selandria serva ✓RCLP. Strombocerus delicatulus ✓RCLP. (♀ dark var.)
Taxonus glabratus ✓RCLP. 1♂. Pachynematus diaphanus ✓RCLP. ♀ (?)
Ichneumonidae ♂.
Ichneumon primatorius 3♂♂ 1♀ on Angelica.

Collected by R.A.P. "On an island in L. Derg, near Portumna, S.G. 3.7.26.
Hylaeus confusus ♂♂. 1♀ Ichneu [illegible] ♂.
Abia candens ✓RCLP. ♀

22/8/26. A windy day with considerable sun, warm.
R. Slaney, N. bank, above & below Ballyhubbock Bridge,
Glen of Imaal, Co. Wi.

Halictus rubicundus, freygessneri, calceatus, albipes, tumulorum & leucopus. ♂♂ & ♀♀ of some spp. H. villosulus ♀♀ only.
Sphecodes affinis ♂ & 2♀♀ (one old, one fresh), sand pit.
Crabro varius ♀ sand pit.
" chrysostomus ♀ ✓

All labelled
Glen of Imaal
Wi ANS
22 9 26

Pompilus gibbus ♂, sand pit.
Selandria serva ✓RCLP. Tenthredo arcuata. Athalia lineolata
Myrmica scabrinodis flight taking place.
Ichneumonidae ♂.

25/8/26. A warm day, but little sun, rather windy.
Sand dunes, S. of Asylum, at Portrane, Co. Du.
as before.

Pompilus gibbus ♂♂ & ♀♀, P. plumbeus ♂♂ & ♀♀.
[no Tachysphex seen!]
Bombus lapidarius 1♂ seen. ✓
Halictus smeathmanellus 3♂♂ very fresh, just N.
of Martello Tower.
Selandria serva, Athalia lineolata, Pachynematus clitellatus ♀ ✓R.C.L.P.
Ichneumonidae &:
Chelogynus 1♀ on edge of dunes & strand.
Lissonota parallela ? ♀ in dunes, var. with black coxae
Tryphonid? : ♂♂ & ♀♀ very abundant about Rosa spinosissima.

29/8/26. A dull morning, with sunny afternoon, windy!
Ballyhenry Quarry, N. of Ashford, Co. Wi. as before.
Andrena minutula ♀ on Angelica 2nd brood. ?
Pompilus niger ♀.
Odynerus sinuatus ♀ on Angelica. ✓
Bombus lapidarius a few ☿☿ seen.
Selandria serva & Athalia lineolata & T. arcuata.
Ichneumonidae. &:
Rhyssa persuasoria ♀ ovipositing in hole (Sirex hole?) in
dead spruce tree: watched for more than an hour!
Ephialtes tuberculatus large ♀ on Angelica.
Amblyteles occisorius ♂.
Dyspetes praerogator ♂. [illegible]
Hyp. Lissonota (? dubia AWS.) ♀, "not dubia, but very near a new sp. I have from Sweden"! Roman No.102.

1.9.26. 1♀ Caliroa limacina ✓R.C.L.P. emerged: larvae taken on Cherry by Miss M.J. Delap on Valentia Island, SK. in Aug. 1926.

2/9/26. A dull coldish day with no sun. 2-5 p.m.
Powerscourt demesne. ① Just inside Tinnahinch gate
② just below Deerpark, right bank of river.

Sphecodes [illegible] 2♂♂ on Angelica. ✓
Halictus [illegible] 1♂ on Angelica.
Bombus derhamellus ♂ & ☿☿ on Scabiosa succisa.
Selandria serva & Athalia lineolata
Ichneumonidae [illegible] on Angelica [illegible]
[illegible] ♂♂ at 2 [illegible]
[illegible] ♀ [illegible]
[illegible] ♂ [illegible]

[illegible]

R.A.P. Coll. 1/9/26. Spanish Point, Co. Clare.
Mellinus arvensis ♀♀.
Halictus albipes, ♀ fresh.
Athalia lineolata ✓
Selandria serva.
Ichneumonidae.

5/9/26. A warm day with considerable sun.
Clara ([illegible]) with Pack Beresford to look
for Lycosa cinerea, which we found in burrows
on gravel flat below bridge & ½ mile below [illegible]

Colletes glutinans ♀, fresh, seen at sand-flat, as in 1925!
Sphecodes affinis ♂ ?
Crabro varius ♀, chrysostomus ♂, cavifrons ♀ seen, podagricus ♀
Mellinus arvensis

5/9/26. Aft. Devil's Glen
Formica rufa nest examined but no sign of winged form.

10/9/26. afternoon. Warm but little sun.
Lower end of Deerpark, Powerscourt, E. of river where many logs & stumps.
Salius sp. ♀ seen but failed to capture, large ♀ which looked black, with black legs & wings, but which may only have been a large dark-bodied S. exaltatus
Crabro leucostoma ♀♀ still at work on stumps.
" serripes ♀ at bank

✓

Ephialtes tuberculatus ♀ at stumps.
Lissonota variabilis ♀ "Correct"! Roman No. 78.

12. 9. 1926. Warm day but little sun, very windy.
Valley below Rathdrum, Co. Wl.
Almost a washout as flowers all over; no use at this season.
Bombus agrorum only Bombus seen!

16. 9. 26. afternoon. Warm day with considerable sun!
Deerpark, Powerscourt (as on 10th!).
Ichneumon [illegible] ♂ & other spp.
[illegible]
[illegible]

19/9/26. A windy day, with mist & some hot sun.
Marshes of the Murrough, S. of Newcastle station, rd. Co. Wi.

Bombus agrorum, muscorum, lucorum & lapidarius (Potatoes)
Vespa rufa a few ♀♀.
Crabro [illegible] 3 ♀♀ on Angelica ✓

All Castletown

The Murrough
Co Wi AWS
19.9.26

Ichneumon crispatorius ♂ ? on Angelica.
Glypta monoceros ♀ ✓ AWS. ? dark var. of A. Roman.

[illegible] 1 ♀

26/9/26. Glencullen, above Enniskerry (Glensink), Co. Wi.
A mild day after night's rain, windy but some sun.
Many spp. of Ichneumons!

6.10.1926. Meath Coast from Laytown to Dublin boundary.
with Charles Oldham!
Bombus agrorum ♂♂ & ☿☿, Psithyrus campestris ♂♂
Many small ichneumons, chalcids, proctotrupids &c. swept from Wild Carrot &c. Practically no sun & some rain.

[illegible] affinis! 2 ex

Collected by R.A.P.

3.6.1926. New Ross, Co. WX.

Andrena angustior √RCLP. ♀.
Andrena fucata 1 worn ♂
A. subopaca 1 ♀. √RCLP.
A. saundersella √RCLP. 1 ♂.

Tenthredella livida ♀ √RCLP.

Halictus smeathmanellus 1 ♀

" nitidiusculus 1 ♀.

Sphecodes divisus 1 ♀. √RCLP.

Nomada ruficornis 1 ♂.

" fabriciana √RCLP. 1 ♂ (parasitic on A. angustior ?).

" flavoguttata 1 √R.C.L.P.

Pompilus niger 1 ♂.

Waterford. 2.6.26.
R.A.P.

Sphecodes affinis 3 ♀♀. √RCLP.

" divisus ♀. √RCLP.

Halictus villosulus ♀.

26/6/26. Portumna, SG. R.A.P.

Hylaeus confusus ♂♂.

1.7.26. Woodford, SG.

Crabro chrysostomus ♂.

8.6.26. New Ross, Co. WX.

Andrena fucata 1 ♀

15.7.26. Near Galway, NG.

Andrena gwynana ♀ 2nd brood.

Odynerus parietinus 1 ♀

7.10.26. Mountmellick to Maryborough. Q.Co. (with C.O. R.A.P. & R.J.W.]. Gloomy day!

Bombus agrorum & [illegible] lucorum & Ps. campestris seen.

Small ichneumons, proctotrypids &c. shaken out of hay, moss &c. by canal near Mountmellick!

Pontania (? bella √RCLP.) ♀ Bred on 25th May 1927 from gall on leaf of Salix cinerea at Vertigo genesii habitat by canal.

8.10.26. Attanagh, up R. Nore to Abbeyleix, Q.Co.

Took bug, , in river at Attanagh Bridge.

Found Margaritana margaritifera var. in abundance, under trees in R. Nore below Abbeyleix.) Also Crayfish!

(Subsequently described by R.A. Phillips, Proc. Mal. Soc. 1928, as M. durrovensis, for which I see no necessity at all.
A.W.S.

31.10.26. Deerpark, Powerscourt. Co. Wi.

Vespa vulgaris ♀ on log, after frosty night, in hibernating position, but woke up under sun. ♂ dead on same log.

Small ichneumon taken on mossy rock by path to top of fall.

[illegible] ♂

Vespa germanica! O'Mahony continued to bring in ♂♂ taken on Ivy blossoms at St. Anne's, Clontarf until 24th. Oct. 26.

V. vulgaris. On 7th Nov. 26, however he brought in ♂ & ♀ of vulgaris!

7/11/26. Took on mossy rock (amongst small Diptera) a small ichneumon, in Church Glen, Cloghleagne (upper Liffey Valley). Co. Wl.

Also brought home head of rushes with ~~Psychid~~ Coleophora sp. cases adhering to same, collected at about 1200 ft. of slope of Seefinn, S. of Shankill camp site & on the following Monday (8th) morning found in box a small, very beautiful, yellow & green, Eulophid (chalcid). In the seeds of the rushes (Juncus acutiflorus) small holes may be seen, as if some insect had emerged. Possibly others did so & escaped out of the box as it had holes in each end, or the chalcid may have been hiding in the rush or parasitic on the ~~Psychids~~ Coleophora! Or the rush flowers may have been galled by Cecids and the chalcid parasitic on the Cecids.

Hymenoptera collected by Rev. Canon Foster 1926.
Some are from Scotland!

Ants.

[Formica rufa. 1 winged ♀ ? var. alpina. Strathyre, Perth. 19.6.26.]

" fusca. 1 de-alated ♀ Castleward: 14.5.1926!

Wasps.

Vespa vulgaris [1♀ Strathyre, Perth. 5.6.26] ☿ Donard Demesne, Do. 15 + 20 July 26. ☿ Castle Ward, Do. 28.6.26. ☿. Finnabrogue, Do. 16.7.26. Jackdaw I., Do. 26.7.26.

V. rufa. 1♂. Finnabrogue, Do. 27.7.26.

[V. sylvestris 1♀. Strathyre, Perth. 11.6.26.]

V. norvegica. 2♂♂, 3☿☿, Donard Demesne, Do. 15.7.26!

Mellinus arvensis. 1♂ & 2♀♀ Killard, Do. 14.7.26! 5♂♂ 1♀ Donard Demesne Do. 20.7.26!

Crabro dimidiatus 2♂♂, Castle Ward, Do. 28.6.26 & 1.7.26! 1♀ Donard Demesne, Do. 20.7.26!

" cavifrons. 6♂♂, Castleward, Do. 28.6.26, 3.7.26 & 12.7.26! 1♀, Finnabrogue, Do. 16.7.26!

" cetratus 1♀. Donard Demesne, Do. 20.7.26!

" tibialis 1♂. Castle Ward, Do. 29.6.26. "In burrow in rotten stump"!

Pemphredon lugubris 3♀♀. Finnabrogue, Do. 16.7.26!

Chrysis ignita 1♀. Strangford, Do. 8.7.26!

Bees.

[Nomada bifida. 1♀. Strathyre, Perth. 22.6.26!]

Megachile versicolor var. hibernica. Castle Ward, Do. 3.7.26!

— For later record see p. 158.

26.10.1926. R. A. Phillips took a ♂ Halictus villosulus on a Buttercup at Tinnahinch, Co. CW. During this week there were severe frosts & at the time the hills were covered with snow but the day was sunny.

22. 11. 1926. T. P. Harmon, 59 Chord Road, Drogheda send 2 ♀♀ Vespa vulgaris taken at Ivy at Beaulieu, Co. Louth.

5. 12. 1926. O'Mahony still getting ♀♀ V. vulgaris on Ivy at St. Anne's.

Collected by R. A. Phillips

21. 9. 26. Templemore, N. Tipp. (all labelled "20. 9. 26.")
Halictus smeathmanellus ♂ & ♀.
Pimpla examinator small ♀. [illegible] [illegible] ♀ & ♂

10. 9. 26. (R.A.P.!) near Roscrea, Co. NT.
Psithyrus campestris ♂, pale form, very fresh!
Pimpla instigator small ♀

1927.

2.1.27. Walked from Newcastle, Wl. up Killadreenan channel (=1) & then N. to N. town Mt. Kennedy & down channel to Woodstock (=2).
There is excellent sawfly ground at head of 1st channel & in middle & bottom of 2nd channel: also good bee ground (with willows) at 1: also a rushy marsh W. of main road opposite hospital!
Took cocoons of Crabro [illegible] in large poplar log near bottom of 1st channel.
Lisney & Palmer found a Rhagium ~~Strangalia~~ bred stump near main road at head of 1st channel & also cocoons of Crabro vagus ♀✓ hatched & 1 ♀ each of Stenichneumon culpator (black form) & Chasmias motatorius ✓
Under & around stones in small sand pit near same spot I got 12 (9 in one bunch) Colpognathus celerator ♀♀ ✓?

8.1.27. A.M. Gwynne brought in a ♀ ichneumon, Stenomacrus? [illegible] captured in house in Palmerston Rd., Rathmines: same sp. as one captured by him on window (outside) in same place on 30.12.26, also a ♀.
16.1.27. Ichneumon culpator? [illegible] ♀ & Vespa vulgaris ♀ taken under bark of pine stump in Annacrevy Wood, above Enniskerry, Co. Wl.
7.2.27. Bombus lucorum ♀, reported from Shankill by the Lisneys; the previous day had been a most glorious one!
14.2.27. M.D.S. saw a "crawling" ♀ Bombus lucorum in Kenilworth Square, Du.

16.2.27. Coltsfoot in flower (2 or 3) on bank at foot of wall beyond Templeogue, near old church. Plenty of leaves but no flowers on Celandine in ditch opp. Willington Ho.

20.3.27. CHIFF-CHAFF heard in Glen of the Downs. at 11 AM. Wood Anemones well out here also!
Ballyhenry Quarry, Co. Wi. as before. Tortoiseshell Butterfly
Andrena apicata ♂♂ & ♀♀ very fresh

41
" clarkella ♂ & ♀♀ very fresh.
Also plenty of Meloë proscarabaeus!

3.4.27. The Dargle (left bank near sandpit).
Co. Wi. [illegible] & Hugh.
Bombus lucorum & terrestris. Andrena gwynana
Halictus rubicundus

10.4.27. Collected at Kilbarrack Pits, Co. Dub. by E. O'Mahony.
Phaenocarpa ♀, with crumpled wings, 28 joints in left antenna (rt. missing), very short & broad 1st abd segment, short stout stigma & other curious characters.
Similar to a mutilated specimen in Hal. coll. & provisionally named Ph. halidayi. A.W.S. 1934.

ARKLOW SPRING TRIP.

14 April 1927. To Arklow!
Stopped for couple of hours at Magheramore, Co. Wi. Some sun, warm, windy.
(First warm day after long cold spell!)
Bombus lucorum, terrestris & lapidarius (1) ♀♀ seen
Andrena albicans ♂♂ A. gwynana ♂♂ & ♀♀ fresh
A. minutula ♀♀, on Alexanders!
Halictus rubicundus ♀♀, H. calceatus ♀.
H. punctatissimus 1♀. Sphecodes divisus ♀♀
Salius fuscus 1♂.
All above on sand cliff N. of river.
with Formica fusca, Lasius niger, L. flavus.
& Myrmica scabrinodis ☿☿.
In dunes.
Bethylus fuscicornis 1♀
Green-veined White, Orange-tip ♂ Butterflies!
[illegible]
Myrmica sabuleti ♀ & ☿☿ (George!).
[illegible]
[illegible]

WILLOW-WREN'S at Penck's Bx.

15th April 1927. A cold squally day (N.W. wind) & hot sun-bursts!

Coast N. of Ferrybank to Ennereilly & home by road. Salix repens in full flower at Kynoch's.

Bombus lucorum, terrestris, hortorum (1), agrorum (1 on primrose), muscorum (1) ♀♀

Andrena albicans ♂♂ at willows N. of Kynochs.

" nigroaenea ♂♂ & ♀♀ very fresh common on coast: ♂♂ only on road.

" sericea, fresh ♀ running on sand, N. of Kynochs.

Ichneumonidae.

[illegible] Tryphonid on coast ♂

[illegible] on dunes at Penck's Bx.

[illegible] on blackthorn hedge on road. =? [illegible] AWS. 1933.

[illegible] on willow ♀

Sawfly.

Pachynematus clitellatus R.C.L.P. ♂ at "Merton" Gate, Arklow.

♂♂ Pachyrhinus rufipes.

16th April 1927. A dull cold day after clear morning. Meeting of the Waters, Avoca.

Bombus lucorum, a few ♀♀ seen.

Dolerus oblongus ♂ / R.C.L.P. in litt. 30.X.27. ♂ in marsh in valley E. of Avoca

Proctotrypids & Coleoptera taken drowned in sap on newly cut stump! marked S on card!

Cynipid taken sweeping! Also cocoon of Trichiosoma on Birch twig above Meeting!

From [illegible] latched on

17th April 1927. A windy day (cold wind), S.W. with very hot sun bursts. Very few insects about. Magherabeg, Co. Wi.

Bombus lucorum & terrestris on Ground Ivy; B. lapidarius (1), B. agrorum ♀♀.

Andrena albicans ♂♂ & 1 very fresh ♀ at Salix

Halictus rubicundus & calceatus ♀♀ on sandy cliff.

Sphecodes divisus 1 ♀ with last.

Sawfly.

1 Dolerus ♂ (sp.?) seen on motor screen along rd.!

Ichneumonidae.

[illegible] on cliff on Cheiranthus

Long narrow, small wings, [illegible]

Smaller [illegible] on cliff.

Red & Braconidae in sand hills.

[illegible]
at Jack's Hole
[illegible]

18th April 1927 (Easter Monday!). Warm, but dull & only some faint sun (hot) in afternoon.
Co. Wexford. ①. R. Bann, where rd. from Gorey to Carnew crosses it (3 miles W. of Gorey!)
2. Swampy valley on same rd. 2 miles E. of Carnew.
3. Sand-pit & swampy valley, 2 miles S.W. of Coolgreany (= Gorteen!)

Bombus lucorum ♀♀ (mostly on Salix) at 1, 2 & 3. 2♀♀
" terrestris a few ♀♀ at 2 & 3.
" agrorum a few ♀♀ at 1, 2 & 3.
" muscorum 1♀ at 3.
" lapidarius 1♀ at 3.
" derhamellus 1♀ at 1. (or 2 ?).
Andrena albicans ♂♂ & a few ♀♀ at 1, 2 & 3.
" clarkella 1♀ on Salix at 3.
" praecox. 1♂, ♀ (on Salix) at 3.
Halictus calceatus & albipes 1♀ of each at 1, on Taraxacum
Nomada bifida ♂♂ at 3. N. sp.? seen at 1.
Salius fuscus 1♀ at 3.
Ichneumonidae.
Small ♂, sp. 2 on Salix at 2.
Larger ♀ at 3.
Beetles, [illegible] ♂♀ at 1 + 2 (at C) [illegible] at 3

Psithyrus distinctus on Salix at 3.

Vespa ♀ almost certainly vulgaris at 1.

Too dull for sawflies but very good ground later in year.

19th April 1927. Coldish & overcast all day, except a few blinks of sun in late aft.
Monaglogh① & foot of Aughrim② Valleys.
Vespa vulgaris 1♀ at 2.
Bombus lucorum & agrorum ♀♀.
Andrena albicans ♂♂.
Ichneumonidae.
1♂ black sp. with red legs & white socks (Cryptid) hovering over grass & rushes &c where larvae of aurinia were common! at Monaglogh.
= Cryptus tarsoleucus ? ♂.

20th April 1927. A glorious sunny day, warm, but with strong S.W. wind.
Glenmalure: ① Marsh below moraine, S. of ford of Baravore; ② Marsh in old course of river 1 mile above Drumgoff. Co. Wi.
Bombus jonellus & lucorum ♀♀ at willows at 1.
Andrena albicans ♂♂ " " " at 1.
Dolerus madidus √RCL?, 1♂ at 1, ♂ & ♀ at 2.
" aeneus √RCL? 2♂♂ at 1. ~~1♂ 1♀ at 2.~~
" picipes √RCL? 1♂ at 2

20th April 1927, afternoon, less sun, still windy.
Swamps, S. of ~~lead~~ sulphur mine, Avoca, Co. Wi.
Dolerus black sp. ♂ & ♀.
♀ is nigratus ✓ RCLP. ♂ [illegible]

SWALLOWS seen by M.D.S. at Bararove, & by AWS. &c. at Avoca (in aft.). 20.4.27.

21st April 1927. Another hot sunny day, with strong wind.
Morning: went to Glendalough but wind too strong for sawflies & only Andrena albicans ♂♂, & ~~Nomada bifida~~ Bombus lucorum, ♂♂ B. jonellus & Vespa norvegica ♀♀ seen (all at Salix).
Midday: worked left bank of Avonmore 2 miles above Clara (at footbridge): Saw one ♀ Dolerus madidus in rush swamp W. of footbridge, Andrena albicans & Nomada bifida, ♂♂, Vespa vulgaris ♀ & striped Dipteron & two flat beetles at sheep dung.
Afternoon: left bank below Clara bridge to sand-flat. Bombus lucorum, jonellus & agrorum ♀♀. Andrena albicans ♂♂ at Salix &c, A. lapponica 1♂ & 1♀, very fast at Vaccinium in wood. Halictus rubicundus ♀♀ in hundreds at sand flat. H. calceatus ♀♀. Sphecodes divisus ♀♀

21. 4. 27, cont. Clara cont.
Nomada ruficornis, "var." ✓ RCLP. ~~? flavoguttata~~ ♂, in wood, at Vaccinium, & close to where A. lapponica taken!
Vespa norvegica ♀♀ flying & examining Anemone flowers!
Salius fuscus, ♂ at Vaccinium.
No sawflies seen!
Ichneumonidae.
Pimpla maculator 1♀ at Vaccinium, in wood
Ichneumon seticornis 2♂♂ at Vaccinium, in wood.
Small sp. [illegible]
Holly Blue, 1♂, seen in wood, near sand-flat.

22nd April 1927. Blowing a gale from S.W. Little sun: mild.
South Strand & quarries &c: N. of Arklow Rock, Wi.
Bombus lucorum, terrestris (2 or 3 only), muscorum (1) ♀♀.
Andrena nigroaenea ♂♂ & ♀♀, A. sericea ♂♂ & ♀♀.
Halictus rubicundus, 1♀.
Amauronematus viduatus ✓ RCLP. See lett. dated 30.x.27. 1♀ swept off Salix repens in dunes along tramway
[illegible] ♂♂ & ♀♀ on sand hills

Salix repens full flower, very fine!

23rd April 1927. Very windy, with occasional sun: cold.
Morning: Rathdrum, below station, right bank of river, as usual! Co. Wi.

Bombus lucorum & agrorum ♀♀
Psithyrus distinctus several ♀♀ on Taraxacum!
Andrena albicans a few ♂♂ & ♀♀.
" minutula 1 ♀ seen on Dandelion.
Halictus calceatus 1 ♀ on " " .

—

Dolerus sp.? √RCLP. 2 ♂♂ in marsh below viaduct.
Ichneumon aeneus 1♂ √RCLP. ? where taken. See RCLP's letter dated 30.X.27.
Acanthocryptus nigritus ♀
1 [illegible] & 2 [illegible] on spring marsh by [illegible] above viaduct

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Aft. Marsh behind sulphur mines, above Avoca.
Vespa rufa 1 ♀.
Bombus lucorum, agrorum & muscorum (1) ♀♀.
Andrena albicans ♂♂.
Dolerus madidus √R.C.L.P., ♂.
" sp.? 1♂ R.C.L.P. See letter dated 30.X.27. ♂ = ♂ oblongus
Proctotrypid 1

24th April 1927. Storm & cloud, from SW all day!
Picked up a few beetles on sandhills & Braconids & Proctotrypids in salt-pools on rocks N. of Kynoch's.

25th April 1927. Storm continues but a good deal of sun in aft.: but too windy for work.
Webb's Glen & marsh at N. end of Kynoch's, Arklow, Wi.
Dolerus aeneus √RCLP. 1♀, amongst rushes, at foot of glen.
Pontania viminalis 1♂? RCLP.
Pontania sp.? 1♂ RCLP.
Blennocampa tenuicornis √RCLP. 1♀
} Beaten off Salix cinerea bushes at foot of glen!
Ichneumonidae 4! at same place as last!

Ennis, Co. Cl. Collected by R.A. Phillips. 21.4.27.
Halictus rubicundus, H. freygessneri & A. albicans ♂♂
Ennistymon, Co. Cl. R.A.P. 23.4.27.
Halictus rubicundus, Andrena albicans ♂♂ & ♀♀.
Andrena cineraria fresh ♂ & ♀, A. jacobi 1 ♀ var scotica.

26th April 1927. A fine sunny day, with strong cold NNW. wind.
South Strand, Arklow, Wi. morning.
Halictus rubicundus
H. nitidiusculus 2♀♀ on boulder clay scarp.
Andrena jacobi 1♂, others seen.
" albicans ♂♂ & ♀♀.
" sericea ♂♂ abundant, ♀♀ few.
" nigroaenea ♂♂ & ♀♀ abundant.
Sphecodes divisus
Nomada goodeniana ♂♂ abundant, ♀♀ few.
" marshamella seen.

~~Psithyrus distinctus ♀ seen~~
Bombus lucorum, terrestris (2), agrorum, muscorum (1) & lapidarius (1) ♀♀ seen.
B. hortorum 1 small ♀ in lane near Arklow Rock! only size of jonellus!

Dolerus nigratus v.R.C.L.P. 2♂♂ flying along hedge.

26th April 1927. Afternoon: still sunny but v. windy.
Bank &c. of Avonmore between Ry. & river, near Glenart Castle, Wi.
Halictus rubicundus
Sphecodes divisus
Andrena albicans ♂♂
A. jacobi ♂♂ ? seen.
A. gwynana 1♂ quite fresh!

Nomada marshamella seen.
Bombus lucorum ♀♀, seen on Ulex.
Psithyrus distinctus ♀ seen

Empria tridens v.R.C.L.P.? 2♀♀ in "wuzzy" outside Ry. cutting.

Ichneumonidae in "wuzzy"

Croesus septentrionalis v.R.C.L.P. ♂♂ & ♀♀ bred from larvae taken on birch at Glenkill, Dec. by A.A. Lisney the previous October!

27th April 1927. Cold, strong wind, with short sun bursts, after clear morning.
Coast N. of Arklow to Buck's Bridge (4 miles). Co. Wi.
Bombus lucorum, agrorum, lapidarius (1) ♀♀.
Halictus rubicundus
Andrena nigroaenea (no parasites seen!)
A. sericea 1 ♂ on willow on road above Buck's Br.

Dolerus nigratus ✓RCLP. 3 on grass on cliffs 1½ miles N. of Arklow.
(3♂♂ 2♀♀)
〃 1 ♀ in wet 1 in marsh by stream 2 miles N. of A.
〃 1 ♀ in wet 1 in marsh beyond (N. of) Buck's Bridge, inland of road.

Empis tridens RCLP? ♂ + ♀ on roadside about S. of Buck's Bridge.
Ichneumonidae along road & seen
2 spp. Tryphoninae!

28th April 1927. Dull & cold
Didn't stop on way up to collect! But saw
♀ Bombus lucorum on Cabbage in Garden at Mayfield, Dr
in afternoon!

Sunday, 1st May 1927. A dull day with cold wind: hardly any insects out.
Walked ~~from~~ Greystones to Enniskerry, via S. side of Little Sugarloaf, ~~[illegible]~~ Kilmacanoge & Dargle, Co. Wi.
Bombus lucorum, terrestris (2) agrorum, hortorum (1, small), derhamellus (1) ♀♀.
Vespa vulgaris 1 ♀.
Andrena jacobi 1 ♂ 1 ♀
A. nigroaenea 1 ♂
A. gwynana 1 fresh ♀ on Taraxacum at Jameson's corner!
Heard Cuckoo at Kilmacanoge: saw Chestnut, Sycamores, Woodruff, Cow Parsnip, Lady's Mantle (in Dargle), Hawthorn (an old tree N. side of Dargle above sandpit) in flower.
Not an ich. or sawfly seen!

1.5.27. A.A. Lisney took Dolerus ♀. ♂ on [illegible], S. of Newcastle, Wi. See R.C.L.P. 30.X.27!
(oblongus ♂) ✓ RCLP

4th May Heard Corncrake in fields near Tallaght.

1927
Sunday 8th May. A very hot sunny day (4th in succession!) but with strong E. wind.
Royal Canal from Blanchardstown bridge to Lucan (North) Station, Co. Du.
Bombus lucorum, a few, B. terrestris, many,
B. agrorum, a few, B. muscorum, many,
B. hortorum 2 or 3, ♀♀. No workers & no Psith. seen.
Andrena albicans a few old ♂♂ & ♀♀.
" jacobi ♂♂ in thousands, ♀♀, plenty, var. scotica.
" nigroaenea a few ♀♀
" wilkella 1♂
Halictus rubicundus
" calceatus
" albipes
" nitidiusculus
" tumulorum
" leucopus
Sphecodes divisus, Clonsilla
" subquadratus monilicornis 4♀♀ on N. bank of canal at Clonsilla station, W. of bridge!
" affinis. near Clonsilla
Nomada bifida ♀♀.
" hillana seen.

Fortnight too early for hawthorn!

Euura atra 1♂ bred from stems of willow, with Cecid. sent by Miss Knowles from Ballycastle, Co. AN. May 1927. ✓RCLP.

R. Canal cont. 8.5.27.
Nomada marshamella ♂♂ & ♀♀, v. abundant.
" goodeniana ♂♂ & ♀♀.
Vespa vulgaris several ♀♀.
[Salius fuscus? 1♂ seen?]

Dolerus nigratus ✓RCLP. ♀ near Lucan St. (N. bank of canal).
Empria tridens ✓RCLP ♂ near Blanchardstown Br.
Monophadnus pallescens 1♀ ✓RCLP. swept off Solanum Dulcamara in ditch on road from station to Lucan.

Ichneumonidae.
Pimpla brevicornis ♀.

Vespa germanica ♀♀ taken at Trim, Co. ME. about 6th or 7th May! A.V. Montgomery.

Dolerus aeneus (? [illegible]) ✓RCLP. 10.5.27 near castle Co. DO. W. F. Johnson

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12/5/27 afternoon. A dull day!
Foot of Glenasmole, opposite (& above) Mr. Doyle's, Co. Du.
Dolerus oblongus? ♂ ✓RCLP. swept off rushes in field where D. niger taken before?
Empria immersa 1♂ ✓RCLP. New to Irish list! At foot of scrub!
Euura atra 1♂. ✓RCLP.
[illegible]

15/5/27. A fine morning, turning to a warm drip before we got on to ground: nothing doing!
Kilmullin glen (between N-mt Kennedy & Woodstock Ho.) Co. Wi.

Splendid ground. Prunus Padus at K. Lodge in flower!

Bombus lucorum, terrestris, agrorum, muscorum (1), jonellus (1) ♀♀.
Andrena albicans 1 ♀ hiding under leaves of Geum urbanum!
Nomada marshamella 1 ♂, 1 ♀ clinging to grass leaves by road.
Vespa vulgaris ♀
Athalia lineolata √RCLP. v. cordata (extreme form!) 1 ♀ on Geum urbanum along road.
Tomostethus luteiventris √RCLP. 2 ♀♀ on Alder. Rushes.
2 Braconids
2 or 3 Ichneumons

15/5/27. Aft. Short clear spot, some sun for 10 min.
Fields near Scalp - Enniskerry road at Killegar, Co. Wi.
Dolerus niger 1 ♂, D. picipes 1 ♀, D. nigratus 1 ♂. √RCLP.
Tenthredella temula 1 ♀ at Hawthorn hedge.
Meniscus murinus ♂
[illegible] Tryphonid sd.

19/5/27. A windy sunless day till late aft. After which much hot sun, but too late!
Marsh between roads to Scalp at Enniskerry (1)
Glen above Enniskerry to open ground in Glencullen (2).
Bombus lucorum, agrorum, muscorum & hortorum ♀♀.
Vespa rufa 1 ♀ at 2.
Andrena jacobi 1 ♀ at 2.
Halictus calceatus 1 ♀ at 2.
Nomada marshamella 1 ♀ at 2.
Loderus vestigialis 1 ♀ var. √R.C.L.P. at 1
Dolerus niger 1 ♂ √RCLP; D. nigratus 2 ♀♀ √RCLP, all at 1.
Selandria flavens √RCLP. 1 ♂ in marsh at 1.
Tenthredella temula 1 ♀ at 2.
" sp., red body, ♂ seen on Burdock near top, iron gate at 2.

Hoplocampa pectoralis √RCLP. 2 ♂♂ on Hawthorn at 2.

Ichneumonidae ♂:
Ichneumon pilicornis 1 ♀ at 2.
Pimpla turionellae ♂♂ at 2.
Campoplex [illegible] ? 1 ♂ at 1.

Collected by E. O'Mahony.
St. Anne's Clontarf, Du. 16.5.27.
Dolerus picipes 2 ♂♂, 3 ♀♀.
D. nigratus 4 ♂♂, 3 ♀♀.
Pachynematus clitellatus x umbripennis 1 ♂.?
Kilbarrack, Du. 15.5.27.
Dolerus aeneus 1 ♀.
D. nigratus 1 ♂.
Monophadnus pallescens 1 ♀ small.

Coll. by A. A. Lisney.
Holcocneme lucida!
Shankill, Du. 15.5.27.
All above √ RCLP.

22 May 1927. A glorious day but with strong N. wind in early part, also a cloud over sun at Clara for part of mid-day.

Cronybyrne Woods & bank of Avonmore 1 mile below Clara Bridge, Co. Wi.

Bombus lucorum ♀♀ & a few ☿☿.
" jonellus ☿☿, a few only.
" muscorum & agrorum ♀♀.
Andrena fucata 1♂ in woods.
" sericea 1♂ on sand flat.
Halicti as before: no Sphecodes seen.
Nomada bifida 2 fresh ♂♂ (all A. albicans gone?)
Salius fuscus ♂♂ & ♀♀ common on sand-flat.
Vespa vulgaris (2) rufa (1) & austriaca (1), all ♀♀ by sand flat.
~~Zaraea fasciata~~ Arge metallica Klug. ✓ RCLP. 1♀ in Osmunda glade by sand-flat.
Tenthredopsis 2 spp. ♂♂, 1 each.
Athalia lineolata 1♀ ✓RCLP.
Empria immersa 1♂ ✓ RCLP.
Ichneumonidae: about 20 spp.

Dolerus picipes 2♀♀
D. niger 3♀♂
D. nigratus 1♂
all ✓ RCLP.

Psithyrus quadricolor, 1 fresh ♂ on this extremely early date: at least one more seen, in Osmunda glade.

Taken by E. O'Mahony at Kilbarrack, 22.5.27. DU.
Pachynematus obductus var. conductus. 1♀.
Dolerus nigratus 1♂.
D. aeneus 1♂ all ✓ RCLP.
Pachynematus clitellatus var.?
(or var. of umbripennis)

Pimpla [illegible] 1♂. Pimpla rufata [illegible]
P. alternans 1♀

Sphecophaga vesparum.

25th May 1927. aft. A fine day but with E. wind & heavy mists over sun.

Foot of Glenasmole from Mrs Doyle's to lower dam, Co. DU.

Marsh in field below "coomb" on rt. bank of river = 1.
Willow marsh below dam on rt. bank of river = 2.
Rushy field some distance below dam on left bank = 3.

Vespa rufa ♀
Andrena fucata & jacobi ♂♂
Nomada marshamella ♂♂ & ♀♀
} seen at 1.

Bombus agrorum & muscorum ♀♀ seen.
Dolerus haematodes 1♀ 1♂ ✓RCLP. at 1
" bimaculatus 1♂ at 1 ✓RCLP.
" oblongus 1♂ at 3. ✓RCLP.
Loderus vestigialis 8 ♂♂ at 1. ✓RCLP. L. palmatus 1 (at 2?)
Amauronematus sp.? ♂. ✓RCLP. [MUST GET ♀!] See RCLP's letter of 13.XII.27.
(seen but not named by Benson — 1934.)
Tenthredella ferruginea 1♀ at 2. ✓RCLP.
Pachynematus vagus ✓RCLP. 1♀ at 3. Allantus cinctus ✓RCLP. 2♂♂. [illegible]
Pimpla ~~instigator~~ [illegible] 2♂♂, P. rufata 1♂, P. turionellae! P. maculator ♀? [illegible]
& many other spp. almost all at 1.

♂ Common Blue seen!

29th May 1927.

A glorious day with hot sun & east wind; cloudy in Deerpark for a couple of hours in afternoon.

Demesne① & Deerpark② at Powerscourt, Wi.

Bombus lucorum & agrorum a few ♀♀ seen. [illegible]

Andrena jacobi ♂♂ & ♀♀ a few at 2.

" lapponica ♂♂ & ♀♀ at [illegible] at 2.

" fucata ♂♂ at 2

Nomada ruficornis ♀♀ at burrows of A. lapponica at 2.

" bifida ♂ & ♀ at 2

" flavoguttata at 2 ♂♂ & ♀♀.

Sphecodes affinis, divisus & variicornis(1) at 2.

Vespa rufa, norvegica ♀♀ at 2.

Crabro leucostoma & vagus at 2. ♀♀ storing flies!

Sawflies at 1.

Dolerus nigratus 1♂. } √ R.C.L.P.

D. picipes 2♀♀. }

Loderus vestigialis var. ♀. RCLP.

Sawflies at 2.

Platycampus luridiventris 1♀. √ RCLP.

Dolerus bimaculatus ♂♂ & ♀♀, dubius 1♀, gessneri ♂♂ & ♀♀.

D. nigratus, 1♂ aeneus ♂ & ♀. All √ RCLP.

Arge ustulata ♂ in "chestnut bank" marsh near gate. √ RCLP.

Selandria serva 2♂♂ √ RCLP. Emphytus tener 1♀. √ RCLP.

Tenthredo [illegible]. Tom [illegible]

Pteronidea myosotidis 1♀. √ RCLP.

Taken at Kilbarrack, Dub.
on 29.5.27. by E. O'Mahony
Dolerus nigratus 1♂
Selandria serva. 1♂. All √
Cladius pectinicornis 1♀ R.C.L.P.
v. ? difformis.
Dolerus niger 1♀.

29.5.27 cont:

Ichneumons at 1.

Pimpla turionellae 1♀ small.

Ichneumons at 2.

Ischnoceros rusticus ♂♂ & ♀♀ (sent to W.F.J.) & then subsequently recorded by W.F.J. as taken at Rostrevor! AWS.

Disogmus areolator Hal.? ♂.

Powerscourt, Wi. 3.6.27. (with E. O'Mahony)

Dolerus gessneri 2♂♂.
D. bimaculatus 1♂.
D. aeneus 1♂.
Taxonus agrorum 1♂.
Pachyprotasis rapae 2♂♂.
Selandria stramineipes 2♀♀.
Hoplocampa crataegi 1♂.
} All det. RCLP!

Lathroplex infernalis ? ♀ cf specimen in Hal. coll named by Morley!
[illegible]

30/5/27. Rushy marsh by summit of Military Road, overlooking Glenasmole, Co. Dub. 7-30 PM

Dolerus aeneus ♂ & ♀. √ RCLP.

Vespa norvegica ♀ & nest in heather at ca. 1300 ft. on [illegible] 29.5.27.

Sunday 5th June misty rain all day.

8th June 1927. Saw ♂♂ Crabro varius in Garden at Mayfield. At Ballyman Glen, D4 & W1. in evening. 2 [illegible] in D4. 1 [illegible] — W1

15th June 1927. A dull day, cold, no sun at all. Glenasmole, between reservoirs, D4.
Stenichneumon culpator 1♀ on bracken.
Phytodietus conspersum(?), ♀ (small, as broken old. Smashed & thrown out)
[illegible]
Opius caelatus?? One fine ♀ with 40-jointed antennae, rugose head & strongly sculptured mesonotum & mesopleurae, almost certainly this species (remounted on side to show face & pleurae). A.W.S. 27/6/36.

12th June 1927. A fine day with much sun, some cloudy spells & N.E. breeze.
Rathdrum & valley both sides of river to Avondale footbridge. W. side = 1 E. side = 2. , C. W1.
Wood White Butterfly 2♂♂ on E. side along old grassy rd.
Small Heath seen for first time. Also Old Peacocks still out
Bombus lucorum & agrorum ♀♀, only a few.
B. lapidarius 1♀ seen.
Andrena jacobi ♀ seen, A. [illegible] ♂ & ♀ seen, A. wilkella ♂♂ & ♀♀ v.c.
A. subopaca
Halictus many of as before.
Vespa sylvestris ♀♀ seen.

Small Heath Butterfly seen.

Nomada marshamella ♂♂ & ♀♀. N. [illegible] ♀♀.
N. flavoguttata ♀♀. [illegible] ♂♂. Gorytes mystaceus 1♂ seen
Sphecodes [illegible] 1 at 2, S. [illegible] 1 at 2, S. affinis ♀♀
Pemphredon lugubris ♂, P. shuckardi ♂♂ & ♀.
Crabro palmipes ♂♂ & ♀, C. dimidiatus ♂♂ & 1♀, C. cavifrons 1♂
C. leucostoma ♂♂ & ♀♀ C. vagus ♀ seen. Pompilus [illegible] ♂♂ & ♀ on [illegible]
Pamphilius inanitus 1♀. On hazel by station path at 1. [illegible] 1.
Dolerus nigratus 1♂ D. niger 2♀♀. All [illegible] R.C.L.P.!
~~[illegible]~~

Pimpla [illegible] 1♂, probably on nettle at 1.
" maculator ♀♀ P. instigator ♀ seen
" examinator ♂ & ♀ P. [illegible] ♂ & ♀.
Perithous mediator ♂♀
Polysphincta tuberosa Grav. ♀ (at 1 near station?). Fide A. Roman, No. 72.
[illegible] ♂, not [illegible].

15th June 1927 (afternoon). Very windy (SE), with mist over hill tops.
Upper Glenasmole, by the Slade Brook at about 1,000 ft.
Co. Du. Too windy for aculeates.

Bombus lucorum, *agrorum* (& ? 1 *muscorum*) ♀♀ seen,
small ☿☿ seen which were probably those of *jonellus*!

Psithyrus distinctus 1 worn, small, ♀ seen.

Andrena fucata ♂

Halictus 1 ♀ of *rubicundus* & 1 of smaller sp. (? *tumulorum*) seen.

Vespa norvegica 1 ♀

Strongylogaster lineata ♀♀ seen on bracken.

Tenthredella 1 large ♀ seen on Gorse, white bands on antennae & red & black on abd.

, slightly

Pristiphora (*Nematus*) *quercus* √RCLP. Htg. 1 ♀, black & scarlet, with white tibiae, on bracken (? by Hakes)

Euura saliceti √RCLP. 1 ♀ & *Pontania leucosticta* √RCLP. 1 ♂ on *Salix aurita*. 'New to Ireland!'

Perkins in litt. 4.x.27 says "Larvae feed on *Vaccinium* & should be looked for between 20 June & 15th July"! *P. quercus*!

Ichneumonidae

Glypta (*Conoblasta*) *xanthognatha* (?) Thom. ♂ *Pimpla*

Meniscus murinus 1 ♀ flying amongst heather & boulders.

Cryptid ♀ at same place.

Homocidus sp. ? n.sp. ([illegible] n.sp. AWS 1934) := paratype of n.sp. AWS. 1940.

18th June – 22nd June 1927. Ballycastle district, Co. Antrim. Weather thundery all the time & except for a few brief hours it blew a gale, with rainy squalls all the time. Also I was engaged on digging operations at Whitepark Bay.

18th June 1927. Glen N of [illegible] on Glenshesk, AN.
One small ♂ Ichneumon ? [illegible]

Bombus lucorum 1 ♀, *B. agrorum* 1 ♀, seen.

18th June Whitepark Bay, AN. (afternoon).

Bombus lucorum 2 ♀♀, *B. agrorum* ♀♀.

Tenthredo [illegible] seen [illegible]

Dolerus aeneus v. RCLP. ♂. Swept at same place.

Ichneumones . none set off

19th June 1927 Whitepark Bay, AN.
No *Bombus* seen!

Vespa sylvestris ♀ at *Scrophularia nodosa*

Tenthredella mesomela ♂♂ & ♀♀ on Buttercup, &c.

Ichneumonidae

20th June 1927. Whitepark Bay, AN.

Bombus agrorum a few ♀♀ seen along cliffs.

Vespa ♀ again seen

Empria sp. ?? 3♂♂, 2♀♀, below cliffs about middle of bay; see RCLP. in litt. 18.1.28.

Strombocerus delicatulus ——— " " "

Tenthredella mesomelas. ——— " " "

Dolerus aeneus 1♂ ✓RCLP. ——— " " "

Pachynematus sp. ? 1♂ & P. clitellatus ♂. " " "

See RCLP. in litt. dated 18.1.28. Seen, but not named, by Benson in 1934!

Ichneumonidae.

Pimpla [illegible] ♂ [illegible] ? [illegible]

21st June 1927. Glenshesk① (upper end) & Garvalt②

Bombus agrorum ♀♀ frequent at 1. AN.

Dolerus aeneus ✓RCLP. 1♂, by roadside at 1.

Ichneumonidae on [illegible] in gully at [illegible] at 2.

3 spp. = Stenichneumon castaneus var. of ♀ with red post-scutellum & almost black scutellum.

22nd June 1927. Oak-Alder Wood at foot of Knocklayd, Ballycastle, AN. 10 (to 1) AM: raining,

Bombus lucorum 1♀, B. hortorum 2♀ (1 on Iris flowers & 1 moribund)

B. agrorum ♀♀ frequent.

Loderus vestigialis ✓RCLP. ♀. in swamp in wood. Var. with blackish legs.

Tenthredo arcuata ✓RCLP. 1♀, along railway.

22, 6, 27 cont. Ballycastle Wood, cont.

Athalia lineolata ✓RCLP. ♂♂ & ♀♀.

Pachyprotasis rapae ✓RCLP. 1♀, along railway.

Pimpla pomorum ♀, in wood! [illegible]

♂ ~~Tryphonid~~, probably a ♂ [illegible]

[illegible]

24/6/27. To Rush on business in aft.

[illegible] on Heracleum — [illegible] to N. Strand!

26.6.27. A sunny morning with light N. wind, soon turning S.W. & increasing to half a gale with rain!

11 AM, Called at Sandy ford quarry, [illegible] to look for [illegible], but none seen at old colony where marked burrows seen in 1922 at [illegible].

[illegible] ♀♀, Halictus [illegible] & [illegible] ♀♀

12-1pm. [illegible] demesne, near [illegible] gate, W1

Odynerus [illegible]; Halictus albipes ♀.

Bombus agrorum ☿☿ on Rubus (just out)

[Meniscus catenator ♀ (almost certainly this sp.) caught on nettle by chance but escaped from fingers.

Several [illegible]

Long-horn beetle, [illegible] 3 specs [illegible] on leaves of plants by river

104

ARKLOW - July - TRIP, 1927.

Tuesday, 28th June 1927.

A dull day, cold - to - mild, in places, no sun at all.
Magherabeg, Co. Wi. (dunes N of river & Ardmore Ht.)
Practically everything taken on dunes!
All three of Halbert's rare bugs taken! Though the bug the only one not common.
Meadow Brown & Speckled Wood & Common Blue seen.
Bombus lucorum dead ♀♀, & some living workers
(also ♀♀ seen at Mayfield, Du., Ballyhenry & "Marton", Wi.)
B. hortorum 1♀ seen
B. agrorum ♀♀ & ☿☿ seen B. lapidarius 1♀ seen
Andrena sericea ♀♀, quite fresh, many seen on Euphorbia portlandica
Colletes picistigma, fresh ♂♂ on Oenanthe crocata & Euph. portlandica
Crabro cinnamonea ♂♂ & ♀♀ common.
C. peltarius ♂♂ on small sycamore tree on dunes
Cerceris arenaria ♂♂ & ♀♀ on Euphorbia flowers &c.
Pompilus plumbeus ♂♂ & ♀ seen on sand
Vespa austriaca ♀ seen on Scrophularia nodosa
Athalia lineolata 1♀. ✓RCLP.
[illegible]

105

29th June 1927. The day of total eclipse of the sun!
Rained all night & except for a partial clear spell, 10 - 12 Noon, all or almost all day.
In forenoon, I walked across Kynoch's dunes, Arklow, & took 1 ♂ & 1 ♀, both very fresh, Megachile maritima "sunning" outside their burrows: the specimens were not taken together but at some distance apart. Saw also 1 dead ♀ Bombus lapidarius & took 1 ♀ Vespa austriaca at gate of "Marton".

30th June 1927. Drenching rain with N.E. wind all day till 5 p.m. After tea I went to Glen of Webb's River, Ferrybank, where I saw or took Bombus lucorum ☿☿ & B. agrorum ♀♀ & ☿☿.
Vespa sp.? 1 ☿ at log. (? vulgaris or sylvestris)
Tenthredella livida ♂♂ & ♀♀. ✓RCLP. Athalia lineolata.
1 Braconid.
1. Proctotrupid.
4 Ichneumons: in rushy marsh in field above glen.

1st July 1927. A hot foggy day, with no real sun, & rather windy; but lots of insects out.
Magherabeg, Co. Wl. Valley bottom ①, sandy cliff, ②
dunes N. of river mouth; ③ & lane ④.
Bombus lucorum a few ♀♀ & ☿☿. B. agrorum ♀♀ & ☿☿.
B. terrestris, 1 dead ♀ seen.
Colletes picistigma ♂♂ on Oenanthe & Leontodon at 2 & 3.
Hylaeus confusus ♀ on Ranunculus repens at 1.
Andrena saundersella? ♂♂ & ♀♀ at 2. A. minutula 2nd brood? ♀
" gwynana 1 ♀, very fresh, 2nd brood at 2.
" sericea ♀♀ at 3.
Halictus lativentris 1 fresh ♀ at 1. ? exactly v rare.
" other common spp. as before at 2.
Sphecodes affinis? 1 ♀, very fresh, ? autumn brood at 3.
Vespa sylvestris ♀♀ seen.
Pompilus rufipes 2 ♂♂ 1 ♀ at 3. P. plumbeus ♂♂ & ♀♀ at 3.
Tachysphex pectinipes ♂♂ & ♀♀ abundant at 3.
Ceropales maculatus abundant at 3.
Odynerus sinuatus ♂♂ & ♀♀ (some in cop.) on Oenanthe at 1.
Gorytes mystaceus ♀♀ on Oenanthe at 1.
Nysson spinosus ♀♀ " " "
Crabro vagus ♂♂ & ♀♀ seen " " "
" peltarius ♂♂ & ♀♀ at 3.
" wesmaeli abundant.

Saw one specimen of A. aptera on cliff of dunes!

Magherabeg cont. 1.7.27.
Pemphredon lethifer 2 ♂♀ at 3, amongst bent.
Hedychridium ardens 1 ♀ on sand, near Ardmore Pt., at 3.
Oxybelus uniglumis 2 ♂♂ on Euphorbia portlandica at 3.
Tenthredo arcuata common. Tenthredella mesomelas common.
Athalia lineolata common. Selandria temporalis 1♀ at 3. ✓RCLP.

Many ichneumonidae &c.
Lissonota bellator 1 ♀, very fresh, on leaves of Elder by field, at 1.
Pimpla ~~pomorum~~ elegans 1 ♀ ?? with last on Elder leaf.
" holmgreni (robusta Morley) ♀♀ at Oenanthe, at 1.
" detrita 1 ♀ with last at 1 Pimpla ~~brevicornis~~ brassicariae 1♀ at 3?
Glypta red coxae 1 ♀.
♂?

Pachynematus clitellatus ♀ taken at Portmarnock, Co. D, by E. O'M. on 2.7.27. ✓RCLP.

2nd July 1927. A dull misty day with no sun & wind from SE rising & rain in evening.
E. slope of Arklow Rock & S. Strand, Co. Wi.
Bombus lucorum ☿☿ at Jasione; here full in bloom!
B. agrorum ☿☿. B. muscorum 1☿ seen on Jasione on dunes.
Colletes montanus 3 ♂♂ sleeping on Jasione on summit of cliffs facing Arkintinny.
Myrmica ruginodis ☿☿ in dunes & 1☿ of M. schencki ✓? in same place, i.e. dunes not far N. of old quarry & old road.
Ichneumonidae: in marsh on dunes & on Wild Carrot & nettles on old road & cliffs.

3rd July 1927. S.E. gale, with heavy rain all day.

4th July 1927. Gale & rain continued; but in aft. it began ~~to~~ clear & no rain fell & there was some sunshine: very warm & many flies!
Cleared woods, fields, railway &c: between Ballyrain-Glenart & river, 1 mile W. of Arklow church, Co. Wi.
Bombus lucorum; ☿☿, B. agrorum ☿☿, B. hortorum 1☿
Andrena albicans 1♀, not very worn, on Cow Parsnip.
" fucata ♀♀, on Cow Parsnip.
" [? wilkella ♀ seen on Cow Parsnip.

Ringlet butterfly ♂♀ of unusual fat Dipteron

Brompton

nt. 4.7.27.
sh: (? autumn brood). } on Cow Parsnip.
very worn
railway cutting.
n Rubus, others seen!
willow S. of main road!
near Histeromerus stump!
lata ✓ ~~[illegible]~~ 1♀
1♂ at Ivy in ry. cutting.
taken on Cow Parsnip in field
y!

Tenthredo arcuata, Tenthredella mesomelas, Athalia lineolata, all common
Strongylogaster lineata, ♀ on Cow Parsnip.
(Black) Larva on Birch by ry. cutting from which ♀ Croesus latipes ✓RCLP. bred on 16.8.27.

Bullock's Hymenoptera 1926.
All from Killarney / N.K.

Vespa norvegica 2 ♀♀. 7.26.

Nysson spinosus 1 ♂. 5.26.

Crabro leucostoma 1 ♀. 8.26.

Bethylus fuscicornis 2 ♀♀. 8.26.

Nomada marshamella ~~4~~ 5 ♂♂, 3 ♀♀. 5.26. but last seems to be labelled 8.26 & if so must belong to a 2nd brood.

N. ruficornis 1 ♀. 5.26.

N. bifida 1 ♂, 3 ♀♀. 5.26.

Andrena albicans 2 ♂♂
(1 fresh (? 3.26); 1 faded 5.26.)

A. jacobi 1 faded ♂, 5.26.

Halictus rubicundus 3 ♂♂.
" calceatus 5 ♂♂.
" albipes 3 ♂♂
" freygessneri 4 ♂♂ 2 ♀♀.
" nitidiusculus 1 ♂ NK.
" tumulorum 1 ♂ NK.

Sphecodes affinis 2 ♀♀.

Formica fusca 1 deälated ♀, 2 ☿☿.

Chelonus inanitus 4 examples.

Myrmica ruginodis. 2 ♂♂ 2 ☿☿.

Pachyprotasis clitellatus ♀ taken at Portmarnock, Co. D., by E. O'M. on 2.7.27. √ R.C.L.P.

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E. slope of Arklow Rock & S. Strand, Co. Wi.
Bombus lucorum ☿☿ at Jasione, here full in bloom!
B. agrorum ☿☿. B. muscorum 1☿ seen on Jasione on dunes.
Colletes montanus 3 ♂♂ sleeping on Jasione on summit of cliffs facing Arkintiny.
Myrmica ruginodis ☿☿ in dunes & 1☿ of M. schencki ? in same place, i.e. dunes not far N. of old quarry & old road.
Ichneumonidae: in marsh on dunes & on Wild Carrot & nettles on old road & cliffs.

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Cleared woods, fields, railway &c: between Ballyraine-Glenart & river, 1 mile W. of Arklow church, Co. Wi.
Bombus lucorum; ☿☿, B. agrorum ☿☿, B. hortorum 1☿
Andrena albicans 1♀, not very worn, on Cow Parsnip.
" fucata ♀♀, on Cow Parsnip.
" [? wilkella ♀ seen on Cow Parsnip.

Ringlet butterfly ♂ & ♀ of a curious fat Dipteron

Ballyraine, W. of Arklow, cont. 4.7.27.
Halictus albipes? 1♀ very fresh: (? autumn brood).
" calceatus 1♀
Sphecodes [illegible] 1♀, very worn
} on Cow Parsnip.
Vespa sp. 1☿ seen.
Odynerus parietinus √ R.C.L.P. 1♂ in railway cutting.
" trifasciatus 1 small ♂ on Rubus, others seen!
Blennocampa tenuicornis ♀, on willow S. of main road! near Heterarthrus stump!
Ichneumonidae &c:
Pimpla brevicornis √ 1♀, P. maculata √ ~~[illegible]~~ 1♀
Oedematopsis scabricula √ 1♂ at Ivy in ry. cutting.
About 15 other spp: almost all taken on Cow Parsnip in field between main road & railway!

Tenthredo arcuata, Tenthredella mesomelas, Athalia lineolata, all common
Strongylogaster lineata, ♀ on Cow Parsnip.
Black Larva on Birch by ry. cutting from which ♀ Croesus latipes √ R.C.L.P. bred on 16.8.27.

[Spent 3 days with Dr. G. Erdtman of Stockholm]

5th July 1927. Caught early train at Arklow to Dublin & spent afternoon at Ballybetagh, Du & Wi.
No hymenoptera.

6th July 1927. Caught mail to Belfast & on to Killough. Spent afternoon at White Bog near Killough, Do. Got a lot of ichneumons on flower heads of Heracleum. Bombus muscorum ♀ with nest in centre of White Bog!

not [illegible]
Stenichneumon pictus ♀ (?)

Banchus monileatus 1♂, 1♀, on Angelica, the ♂ having no spine on scutellum, but max. palps, face, &c. show clearly it is this species, & the ♀ has the spine very long & typical. AWS. 1928.

7th. Rain all day. Returned to Arklow.]

8th July 1927. A glorious day after misty morning. Vale below Rathdrum station, as before, but only at bank of river from station to Avondale.

Bombus agrorum ♀♀ & ☿☿. B. lucorum ☿☿ & ♀♀ but not so common as last. B. lapidarius 1 fresh ♀ seen.

Andrena albicans 1 worn ♀. A. fucata 1 worn ♀.

Andrena coitana ♂♂ & ♀♀ abundant. A. [illegible] 2 & third ♂!

✓ R.C.L.P.
Nomada hillana worn ♀, N. ruficornis ♀ with black thorax! N. obtusifrons ♂♂ & ♀♀

Hylaeus confusus ♂♂ & ♀♀ on Rubus.

Halictus as before. Sphecodes divisus 1♀

Odynerus sinuatus ♂♂ & ♀♀. O. 3-fasciatus 1♂ (?) on Rubus.

O. pictus seen & dead in cells on wall below viaduct with dead [illegible] ♀ ♂ (? in same cell).

✓ ✓ R.C.L.P.
Crabro capitosus ♂♂ & ♀ on hazel, also & near station.

C. varius, dimidiatus, palmipes, vagus, leucostoma, clavipes (but no C. cephalotes seen!); C. podagricus 1♂.

Passaloecus monilicornis 1♂. Pemphredon lugubris & shuckardi.

Psenulus pallipes.

Gorytes mystaceus ♀♀.

Pompilus nigerrimus ♂♂ & ♀♀ seen. (P. spissus 1♀ seen ?)

Saw several things that looked like Salius notatus by river close below Avondale bridge, & also [illegible] [illegible] was found as if it had just emerged.

Strangalia aurulenta 3 ♀♀

112

Rathdrum. 8.7.27 cont.

Selandria stramineipes 1♀ } √RCLP. Athalia lineolata.
S. morio. 2♀♀

Tenthredo arcuata, Tenthredella mesomela, & livida seen.

Tenthredopsis 1♂

protasis
Pachynematus antennata 1♂ √RCLP.

Pompilus [illegible] ♂♂ & ♀♀ seen. P. maculatus, 1 black ♀.

Clistopyga incitator ♀ at big [illegible] stump.

dw ? 1♂
Lissonota maculata, 1♀ [illegible]! L. bellator ♂♂ ♀ & at stump.

Lissonota errabunda ♂. Roman No. 99. L. ♀ (?errabunda) Roman No. 100.

[illegible] sp.

[illegible] [illegible], 1 fine ♀ taken.

Glypta ceratites.

9th July 1927. Another warm fine day, but duller & windy.
Tonelagee (head of Glen Macnass), Co. Wicklow.

A few Bombus lucorum & agrorum ♀♀ seen at [illegible] at 1200 to 1500 feet.

Selandria flavens ♂ "n.var" ?RCLP. at 1,300 ft. Tenthredella atra ♂ at 1,600 ft. by stream from L. Ouler. √RCLP.

A few [illegible] at 1300 ft [illegible] of fall.

113.

10th July 1927. A hot day, but not much sun!
Cliffs, sandhills &c. S. of Cahore, Co. Wexford.

Bombus lapidarius 2♀♀ seen. B. lucorum & B. agrorum ♀♀ ☿☿

Andrena sericea ♀♀ in dunes on Euphorbia portlandica.

Colletes montanus 2♂♂ √RCLP. on Euphorbia; ♀ √RCLP. burrowing in sandy cliff.

Halictus villosulus, rubicundus, & nitidiusculus ♀♀ on cliffs.

Sphecodes divisus 1♀ at H. rubicundus burrows. S. affinis 1♀.

Pompilus rufipes 1♀, very small. P. (?gibbus ♀ seen on cliffs).

P. plumbeus abundant.

Ceropales maculatus abundant.

Also a Cryptid ichneumon simulating flight of Pompilid: ♂ & 2♀♀.

Tachysphex pectinipes ♂♂ & ♀♀ seen; a few only!

Sphex lutarius 1♂ seen; 2♀♀.

Crabro wesmaeli abundant. C. peltarius ♂♂ on Sycamore in dunes.

Mellinus arvensis, a few ♂♂ on Sycamore in dunes: 1st of season!

Nebria complanata on cliffs. [illegible] [illegible] & Stenocephalus agilis in dunes.

? pallipes (fide Benson 1934).
Pristiphora ?n. sp. √RCL Perkins Lett. dated 18.1.28.

Ichneumonidae 1♂.

Hoplismenus maurus (Marshall) Morley 1♀ seen at [illegible] on dunes
when disturbed it flew like a Pompilid!

11th July 1927. Warm, with keen NE wind & not much sun.

Sandhills stretching from 1/2 to 1 1/2 miles N. of river at Arklow (formerly occupied by Kynoch's explosives factory) Co. Wi.

Bombus lucorum ♀♀ numerous; B. lapidarius 1 ♀.
Colletes picistigma ♂♂ abundant; a few ♀♀ seen.
Andrena sericea ♀♀ seen. A. saundersella 1 ♀
Megachile maritima ♂♂ & ♀♀ common; ♀♀ seen on Thymus & Ononis flowers.
Halictus rubicundus, nitidiusculus, villosulus, tumulorum & leucopus ♀♀.
Sphecodes affinis ♀♀. ✓RCLP.
Nomada hillana 1 ♀ seen.
Osmia aurulenta 1 ♀ on Ononis.
Sphex lutaria ♂♂ & ♀♀, a few.
Pompilus plumbeus abundant; P. gibbus 1 ♂, ♀♀ seen.
Tachysphex pectinipes not rare.
Ceropales maculatus abundant.
Crabro wesmaeli abundant.

"Hoplismenus maurus", a ♀ seen on bent, at 2-ft point of rocks, but missed!

12th July 1927. Warm, cool breeze, NE. much cloud over Clara; some very hot sun.

Vale of Clara, Co. Wi.
River & roadside below Clara bridge: left bank of river = 1.
Gravel flat 200 yards below bridge: right " " = 2.
Sand flat 1 mile below bridge: left. " " = 3.
Woods between 1 & 3 = 4.

Bombus agrorum a few ♀♀ only: some worn: some fresh.
Vespa vulgaris 1 ♀ very washed out looking.
Andrena tarsata a few ♂♂ seen at 3; but colony nearly destroyed by drawing of timber to riverside.
A. fucata 1 faded ♀. A. subopaca 1 ♀ ✓RCLP.
A. coitana ♂♂ & ♀♀ common at Jasione & Heracleum.
Halicti as before.
Sphecodes divisus ♀♀ ✓RCLP. at 3. Sph. hyalinatus ✓RCLP. 1 fresh ♀ at 3.
Nomada hillana 1 ♀ at 3.
Hylaeus confusus ♀ at Jasione: seen.
Odynerus pictus seen.
Crabro 4-maculatus 1 ♀ at 1. C. varius at 3.
C. podagricus 1 at 1. C. peltarius common at 1, 2, & 3.
C. dimidiatus common at 1 & 3. C. chrysostomus 1 ♀ seen at 1.

Pemphredon lugubris ♀ seen at 4. P. shuckardi at 3.

Clara : 12.7.27 cont.

Psenulus pallipes 1♀ at 3.

Salius notatulus 2♂♂, 3♀♀ at usual spot at 3.

" (exaltatus) 1♀, large: almost certainly this sp. seen at 3.

Pompilus nigerrimus ♂♂ + ♀♀ at 3.

" gibbus 1♀ at 3.

" approximatus 5♀♀ at 2: one carrying still living (able to walk in evening) spider named by D.R.P.O.S. = Pardosa amentata.

Myrmosa melanocephala, 1♂ at 3.

Bethylus (? fuscicornis) seen at bored holes where notatulus live at 3.

Ichneumonidae ♂:

Acroricnus macrobatus, (fine ♀ at 1)

Meniscus catenator ♀, on head of grass by river below bridge near 2.

Lissonota bellator ♀ at 1 on Heracleum. Cryptopimpla blanda ♀

♂ Pimpla [illegible]: very small & slender

[illegible] proscriptor 1♂

Clara 12.7.27 cont

Tenthredinidae:

Athalia lineolata : Tenthredo arcuata : Tenthredella livida ✓RCLP. & mesomela

Selandria stramineipes 1♀ ✓RCLP. in woods. Sirex gigas ♀ at bridge (MDS).

13th July 1927. A hot dull, gloomy day, with sun along coast & rain in places in hills. Winds, SW + SE!! Drove to Wicklow Gap & L. Nahanagan but too cold & thick to make for corries, as intended, & collected a few water beetles & 1 caddis fly at summit of pass 1550 ft. Bombus jonellus ♀♀ (first) at heather flowering near pass. Came home by Ballyboy & [illegible] of the [illegible] & at last place stopped for tea & collected a few [illegible] along hedges of [illegible] woods: quite productive!

Ichneumonidae:

Campoplex

14th July 1927. Warm, foggy, cool N. breeze on coast; W. wind inland with thunder; little sun in aft.-only.
Sandhills on WX coast at Kilgorman (coast N.E. of Tara Hill), 5 to 6 miles N. of Courtown (ca.).
1 = Sandhills S of lane & stream. 2 = Sandhills N. of lane, between stream & river (Inch River) mouth.
Bombus agrorum ♀♀; B. lucorum ♀♀ very worn.
B. lapidarius several ♀♀, at 1 & 2.
Psithyrus rupestris 1 fine ♀ seen! at 1.
Colletes picistigma abundant at 1 & 2.
Hylaeus minutus ✓R.C.L.P. 1 ♀ (? at 1 or 2)
Andrena saundersella ♀♀, ✓R.C.L.P. one with 3 ♀♀ Stylops, at 1.
A. sericea ♀♀ seen.
Halictus rubicundus, H. leucopus ♀♀
Sphecodes affinis ♂ ✓R.C.L.P., ♀ at 1.
Megachile maritima ♂♂ & ♀♀ at 1.
Osmia aurulenta ♀♀ at 1 nesting in H. aspersa shells.

Pompilus plumbeus abundant. P. pectinipes 2 small ♀♀ ✓R.C.L.P. at 2
P. rufipes 1 large ♀ at 2 on Euphorbia portlandica; others seen.
Ceropales maculatus abundant.
Crabro wesmaeli abundant. C. peltarius 1 ♀ at 2.

Kilgorman: 14.7.27 cont.
Mellinus arvensis ♂♂ by stream.
Tachysphex pectinipes abundant.
Oxybelus uniglumis ♂♂ & ♀♀ at 1 & 2; on Sea Holly & Spurge.
~~Gonatopus~~ Dicondylus bicolor Hal. a ♀ at 1 with Lasius niger.
Hedychridium ardens not rare on sandy slopes; at 1 & 2.
Tenthredo arcuata 1 ♀ seen at 1.
Ichneumonidae ♂.
Lissonota bellator 1 ♀ on Heracleum at 1
L. parallela 1 ♀ (?) amongst bent at 1.
Melanichneumon perscrutator 1 ♂ at 1.

15th July 1927. A glorious sunny day, with fresh NE breeze.
Rathdrum① & right bank of river to Avondale,② as before, Wi.
Bombus lucorum ♀♀ & ☿☿. B. agrorum ☿☿ & ♀♀.
Megachile willughbiella 4♀♀ (3 v. hibernica, 1 intermediate) at decayed footboards of Avondale bridge: another seen!
M. versicolor 1♀ var. hibernica seen near last.
Andrena coitana ♂♂ & ♀♀ abundant. A. wilkella ♀♀ seen at 1.

Halicti as before
Sphecodes affinis ♀♀ seen.
Nomada obtusifrons ♂♂ & ♀♀ common.
Hylaeus confusus 2♀♀ investigating crevices in rotten stump

Vespa rufa ♀♀; Vespa austriaca ♀♀; both seen & taken.
Odynerus pictus seen. O. parietinus 1♀ at Avondale bridge.
Crabro aphidum ✓R.C.L.P. 9♂♂ & 3♀♀. 2♂♂ taken flying to post at Avondale bridge: rest taken near N. end of tunnel at Rathdrum station, where old track runs round hillside above cliff into river; chiefly on & around a tree of Salix caprea; 1♀ taken investigating a rotten fence post!
Crabro capitosus 1♂. ✓R.C.L.P. C. podagricus ✓R.C.L.P. ♂♂ & 1♀ at 1. C. varius.
C. leucostoma. C. vagus. C. cavifrons ♂♂ at 1 & 2. C. dimidiatus
C. palmipes 1♂ at stump by river below Avondale bridge. C. IV-maculatus.

Pemphredon lugubris & shuckardi.
Pompilus nigerrimus ♂♂, ♀♀ seen at 1 & big stump at 2. P. gibbus? 1♀ seen.
Salius exaltatus ♂ & ♀.
Chrysis ignita seen at 1 & 2.
Agenia variegata on big stump at 2 carrying crab-spider, named by Dr. R.P.B. Xysticus dentatus.

Ichneumonidae &:
Melanichneumon [illegible]
~~Stenichneumon pictus~~ 1♀ on ivy on wall of track, between pond at. & tunnel at 1.
Acroricnus macrobatus 1 large ♀ seen on wall by river at viaduct.
Large ♀ [illegible] [illegible] by river below Avondale bridge.
Small [illegible] ♂ & ♀ [illegible] on stump where [illegible] [illegible]
above viaduct!
♀ [illegible] with yellowish & black hind legs. ?sp.
Glypta similis G. [illegible] (= [illegible]) [illegible]
not [illegible] of [illegible] '93.

16th July 1927. A bright, hot, sunny day, with very strong cool NE wind which quite ruined collecting on coast. Arklow Head①, & N. end of Askintinny bay②, Wi.

Bombus lapidarius 1 queen. B. muscorum 1 ♀ seen at 2, on dunes.
B. lucorum 1 ♀ seen.
Colletes picistigma ♂♂ & ♀♀.
Hylaeus hyalinatus common at ~~common at~~ 2.
" minutus √RCLP. 1 ♂ on Wild carrot at 1.

GWI AUS
16.7.27

Andrena saundersella ♀♀ frequent on Wild carrot. A. [illegible] 1♀.
Halictus rubicundus, villosulus, leucopus, tumulorum, calceatus ♀♀
Sphecodes affinis ♀♀ √RCLP. & 1 ♂ √RCLP. on Wild carrot at 1. FIRST ♂ FOR year.
Pompilus gibbus ♀♀, √RCLP. on Wild carrot at 1 & 2.
Salius exaltatus ♀ on Wild carrot at 2.
Agenia variegata 1 ♀ at 2.

Pteronidea myosotidis ♀ √RCLP.
Ichneumonidae.
Alomyia debellator 1 black ♂ & 1 red ♀ on same head of Wild carrot at 1.
Lissonota bellator ♀♀ on Wild carrot.

17th July 1927. Another glorious sunny day!
Went to Scarawalsh Bridge to meet R.A. Phillips (4 miles above Enniscorthy) on River Slaney, Co. Wx. Worked left bank of R. Bann from "Bann Bridge" to railway & the great sand-pit formerly used to ballast line near Clone, 3½ miles S.W. of Ferns. This ballast pit is probably the finest aculeate ground I have seen in Ireland, so far! Specimens caught here are labelled "Clone", whether by river or in sand pit.

Bombus lucorum, B. agrorum, B. lapidarius (1), ♀♀ but rare.
Megachile (? ♀ versicolor) seen on railway bridge over Bann.
M. centuncularis √RCLP. ♂ taken by Phillips on fence post at pit.
Andrena fucata 1♂ & many ♀♀, some quite fresh, at Rubus.
" sericea a few ♀♀ in pit. A. tarsata √RCLP. 1♂ (on Jasione?).
" coitana common. A. denticulata 1♂
" saundersella ♀♀ on Cow Parsnips; A. minutula (2nd brood) √RCLP. 1♂ taken by Phillips.
Halictus rubicundus ♂♂ & ♀♀ abundant. H. calceatus, tumulorum, villosulus ♀♀.
H. nitidiusculus, leucopus ♀♀. albipes 1♀ (R.A.P.
Sphecodes divisus √RCLP. 1♂, √RCLP. old ♀ ♀♀. S. affinis √RCLP. ♀♀.
Hylaeus minutus √RCLP. 1♂ on Wild carrot. H. confusus √RCLP. ♀♀.
Nomada ruficornis ♀♀.
Crabro iv-maculatus √RCLP. / 1st sign of wesmaeli! ♂♂. C. cavifrons ♂♂. C. chrysostomus ♂♂
C. varius ♂♂. C. podagricus 1 ♀ C. capitosus 1 ♀. C. peltarius in pit v. common.
C. wesmaeli √RCLP. ♂ taken by R.A.P. ? in lane to river
Cont.

C. clavipes 1♀ at stump in wood.

17.7.27. cont. Clone cont. WX.

Mellinus arvensis ♂♂.

Odynerus pictus ♂♂ + ♀. O. parietinus 1♀ (RAP).

Chrysis ignita frequent.

Myrmosa melanocephala 2♂♂ + 4♀♀ in sand pit: latter all have red heads!

Arpactus tumidus 1♀, others seen, in one spot in sand pit.

Pemphredon lugubris 1♀.

Selandria stramineipes. √RCLP. Ametastegia ~~Emphytus~~ glabrata 3♂♂ √RCLP by river.

Athalia lineolata, abundant. Tenthredo arcuata common.

Eriocampa ovata 1♀ on Alder at river. Abia sericea √RCLP by river (R.A.P.)

Pteronidea pavida √RCLP. ♂♀ by the River Bann.

Ichneumonidae &:

Perithous mediator, ♀ at stump (RAP.)

Lissonota buccator ♀ " " (AWS). See Roman No. 95.

18th July 1927. Another bright sunny day! Too bright & hot.

Sandpit at Clone & bank of R. Bann, as on previous day. WX

Bombus agrorum 1♀ seen. } only these 2 Bumbles seen in a
Psithyrus rupestris 1♀ seen } long days collecting!

Megachile centuncularis √RCLP. 1♀ on Cnicus palustris in field by pit.

Colletes montanus √RCLP. ♂♂ + ♀♀ } All nesting in colony on vertical side of
C. daviesanus √RCLP. ♂♂ + ♀♀ } sand-pit at end away from railway!

Hylaeus hyalinatus ♂ + 2♀♀. √RCLP.

Andrena sericea ♀♀ in sand pit. A. saundersella. A. coitana

[A. fucata not seen today].

Halictus as day before. H. nitidiusculus. ♀ √RCLP.

Sphecodes as day before. 1♀ is "colour var." of affinis √RCLP.

Crabro peltarius, C. cavifrons, C. IV-maculatus, C. varius ♂ + ♀ √RCLP.
See RCLP's remarks in list with letter dated 31.1.28.

Mellinus arvensis ♂♂.

Odynerus pictus seen. [illegible]

Myrmosa melanocephala 1♀, with red head, seen go down a burrow (? Halictus).

Arpactus tumidus 2♀ at same place as before: 2 others seen!

18.7.27 cont. Clone, cont. ××.

Athalia lineolata & Tenthredo arcuata. Eriocampa ovata 1♀.
Tomostethus dubius 1♀, black var. Fenusa ~~[illegible]~~ dohrni VRCLP. ♀.
Caliroa (Eriocampoides) aethiops VRCLP. ♀ on Bramble.

Ichneumonidae:
Perithous mediator 1♀ at stump. Lissonota bellator ♀.
[Foenus ?? one seen at same stump.]
Conoblasta (Glypta) ceratites 1♂.

19th July 1927. Strong winds, SE, & wet all day!

20th July 1927. Warm, wet & foggy till afternoon, when with strong SW-W wind it cleared & there was some hot sun. At 2.30 p.m. went to Avoca, Wi. & worked field & river margin of left bank of river about Ballyarthur Gate Lodge.
Bombus agrorum ♀ on Foxglove. B. hortorum ♀♀ on Foxglove.
Hylaeus hyalinatus 4 VRCLP. ♂♂ ♀♀; H. minutus VRCLP. 1♀, both off on Jasione flowers along old river terrace.
Halictus leucopus ♀♀, ♂: ~~[illegible] 1♀.~~
Sphecodes sp.? A very large ♀ seen, probably divisus, but very large!
Psithyrus barbutellus 1 seen ♀.
Crabro chrysostomus ♂♂ on Heracleum. C. podagricus VRCLP. 1♀, with last.
C. vagus 1♂ on Ballyarthur avenue.
Vespa sp. 1♀ seen on Scrophularia on Ballyarthur avenue, probably sylvestris.

Tenthredo mesomelas 1♀, & Athalia lineolata seen on avenue.
Ichneumonidae:
Pimpla oculatoria 1♀ at stump.
Phobocampe ~~pulchella~~ confusa cocoons, on nettles, with larvae of Vanessa.
1♀ hatched 25.4.28.

21st July 1927. A fine morning, with strong S. winds & considerable sun; but after 1 p.m. heavy thunder showers & torrential rain for most of the afternoon.

Kilgorman sandhills, (N. of Inch: S. of Inch River!), WX till rain fell.

Bombus lapidarius 1♀ seen. B. agrorum ♀♀

Colletes picistigma 1♀; ♂♂ seen

Osmia aurulenta

Sphex lutaria 1♂, seen.

Pompilus pectinipes 2♀♀, P. plumbeus abundant.

Ceropales maculatus abundant.

Tachysphex pectinipes frequent.

Hedychridium ardens 1♂.

Crabro peltarius ♀ seen. C. wesmaeli abundant.

[Anthrax paniscus definitely!] [Therapha hyoscyami]

Selandria temporalis ✓RCLP. ♀. Pachynematus vagus ✓RCLP. ♀

Ichneumidae ♂

Proctotrypids on oats!

21.7.27. One ichneumon & 1 fly taken in Webb's glen, Arklow, Wl. in evening!

22nd July 1927. Half a gale from S.W. mostly dull in morning; sunny in afternoon, but too windy for insects.

Morning. Bay N. of Kynochs, Arklow, Wl.

All labelled
Arklow District
Co. Wl. AWS.
22.7.27.

Bombus agrorum ♀ & lucorum ♀ & ☿.

Colletes picistigma ♂♂ asleep on Leontodon flowers.

Odynerus pictus 1♀ on Wild Carrot.

Afternoon: 22.7.27. Gravel pit & valley of Gorteen River, S. of Coolgreany, WX.

Bombus lapidarius 1♀. B. jonellus 1♀ & ☿☿. B. lucorum ♀ & ☿☿.

B. agrorum ☿☿ & ☿☿.

All labelled
W. Coolgreany
Co. WX AWS.
22.7.27.

Andrena coitana ♀♀ seen.

Halictus villosulus ♀♀.

Odynerus nest, with larvae, under stone. Chrysis ignita seen.

Pompilus sp. (probably nigerrimus) seen.

Crabro vagus, large ♀ on Oenanthe crocata.

Myrmosa melanocephala 1♂ on Alder leaf, in shelter.

Athalia lineolata & Tenthredo arcuata seen. Athalia lugens ✓RCLP ♀

Tenthredella ferruginea ✓RCLP ♀ on Alder.

Pimpla "robusta" 1♀; P. detrita 2♀♀

[illegible] = Orgilus sp. nov. ♂. AWS

23rd July 1927. A good day but windy & a lot of cloud about.
Valley for a mile above Meeting of the Waters, Avoca. W1.

Bombus agrorum ♀♀ & ☿☿. B. lapidarius 1☿.
B. lucorum a few faded ♀♀.
Megachile ♂ seen on oak-stumps: almost certainly versicolor.
Hylaeus hyalinatus ♀ √RCLP.
Andrena coitana abundant: ♀♀ only.
A. denticulata 1♂ on Jasione: several ♀♀, 1 on Hypochoeris
Halictus rubicundus 1♂ & ♀♀. H. calceatus 1♂
H. leucopus ♀♀.
Sphecodes divisus 2♀♀.
Nomada rufipes 1♂ seen on Jasione!
Crabro vagus ♀♀ in old Strangalia hole.
" 4-maculatus ♂♂ & ♀♀. C. dimidiatus ♂♂.
" varius ♂♂ & ♀♀
"

Mellinus arvensis ♂♂
Pompilus nigerrimus ♂♂ & ♀♀.
Agenia variegata ♀♀.
Ceropales maculatus 1♀ along railway.

23.7.27. Meeting of the Waters cont.
Strangalia ~~quadrifasciata~~ aurulenta ♂♂ & ♀♀, about a dozen on Alder & Birch stumps in wet wood on left bank of river, just S. of 3rd bridge (railway) over river above "Meeting".
~~Otherwise, 3rd bridge, found a plant of Holly Fern growing out of end of a sleeper in middle of bridge!~~
Tenthredo arcuata & Athalia lineolata common.
Arge ♂ on Cow Parsnip at N. end of 2nd bridge.
Caliroa annulipes √RCLP. ♂ on Salix caprea by 1st bridge.

Ichneumonidae ♂:

"Sp. unknown to me! Possibly musculus (Krb.) Hab. but hind tibiae differently coloured, stigma too" fide Roman No. 80.
Ephialtes ~~tenuiventris, Holmgr.~~ ? ♀ on dead branch above bluff on railway N. of 2nd bridge over Avonmore N. of Meeting!
new to Ireland!
Glypta ceratites ♀. G. bifoveolata ? 2♂♂. Lissonota ♂ with elongate abd. segments. Roman, No. 111 suggests it might be var. of clypeator (= commixta) which it certainly is not in my opinion! AWS.

24th July 1927. A hot sunny day, after a misty morning till 12 noon, but very strong S.W. winds.
Moraine, S. of ford of Baravore, head of Glenmalur, Wi.
Bombus lucorum 1 ☿ seen. B. agrorum ♀♀ & ☿☿ rare.
Andrena tarsata (♂? & ♀) missi. by outlet of "kettle-hole".
" coitana ♀♀ on Rubus.
" subopaca 2♀♀.
Halictus leucopus 1♀.
Nomada obtusifrons 1♀ on Jasione.

Mellinus arvensis ♂♂ common.
Crabro palmipes ♂♂ & ♀♀ common.

Pimpla elegans ♀ ♂.

24/7/27 1 ♀ of [illegible] at Avoca, Wi., on way home!
[illegible] ♂ [illegible]

25th July 1927. A hot windy day, with strong SE. & SW. drifts: hence fog & some misty rain. Very few glimpses of sun: say 10 minutes all told.
Kilcarry Bridge, R. Slaney, Co. CW.
Bombus [lucorum none seen]. B. muscorum 2☿☿.
B. agrorum several ☿☿. B. jonellus 1☿.
Psithyrus rupestris 1 old ♀ seen.
Andrena coitana ♀♀. (A. tarsata ?missi 1♀.)
A. denticulata ♂♂. A.
Halictus rubicundus ♂♂ & ♀♀. H. villosulus 1♀.
H. leucopus 1♀.
Nomada rufipes 1♀ on Jasione.
Mellinus arvensis
Crabro vagus 1 seen!
C. varius ♀

Formica fusca ☿☿ ✓
Lasius fuliginosus
F. rufa
Myrmica schencki
M.
Leptothorax acervorum ♀

Tenthredo arcuata. Athalia lineolata. Eriocampa ovata ♀♀.
Tenthredella atra ♀ ✓R.C.L.P. T. balteata ♀ ✓R.C.L.P.
Pachyprotasis rapae 3♀♀ ✓R.C.L.P. Athalia lineolata ♀ ✓R.C.L.P.
Emphytus grossulariae ♀ ✓R.C.L.P. ("feeds on spp. of Viola"! R.C.L.P.).
Pontania sp. ("I call this P. capreae — there is a very closely allied sp. P. femoralis; — but I have no faith in the colour of the femora as a distinction" R.C.L.P.).
Lissonota sp. ♀. ? freak of bellator. See Roman No. 92.

26th July 1927. To Dublin & back: to meet Prof. S.H. Reynolds of Bristol.

27th July 1927. A hot day with much sun, after a wet stormy night & misty morning (with [illegible])
Left bank of Avonmore for two miles below Clara Bridge. 1 = near bridge: 2 = sand-flat 1 mile below: 3 = woods below 2. 4 = woods between 1 & 2.

Bombus agrorum ♀♀ & ♀♀. B. lucorum ♀♀ & ♀♀.
Psithyrus campestris 1♀, pale var. seen.
Andrena coitana ♀♀. [A. tarsata none seen.]

Halictus freygessneri ♂♂ seen. & :

Mellinus arvensis ♂♂ & ♀♀.
Crabro iv-maculatus at 2. C. dimidiatus ♂♂.
C. peltarius ♀♀ at 1 & 2. C. varius at 2.

Psenulus pallipes 1♀ on road at 1.
Passaloecus monilicornis 1♀ at 1 on road.
Myrmosa melanocephala 4 ♀♀ seen at 2, only one captured.
It has head rather dark red.

Clara: 27.7.27. cont.
Salius notatulus 2♀♀ at usual place at 2.

Tenthredo arcuata ♀♀. Tenthredella mesomelas 1♀ on
Athalia lineolata common.
Zaraea ~~[illegible]~~ fasciata & R.C.L.P. 1♀ on bramble leaf in clearing at 4. No others to be seen.
Strangalia quadrifasciata 1 on Heracleum at S. end of Clara Bridge.
Ichneumonidae &c:
Chelonus [illegible] abdomen : taken & subsequently crushed).
Lissonota bellator ♀, L. spp. 3♂♂ 2♀♀. L. palpalis ? 2♀♀.
Glypta ceratites ♂ ✓
Pimpla rufata ♀.
Xylonomus pilicornis ♀.

28th July 1927. A warm day, with clouds & some misty rain.
Morning 11–12 AM. Sandhills, N of stream, Kilgorman, Co. Wx, as before.

~~Gonatopus~~ Dicondylus bicolor, a ♀, crawling up "bent" grass.
Pompilus pectinipes 1♀ at usual place.
" rufipes 1♀ along edge of dunes.
Ceropales maculatus abundant.
Crabro wesmaeli abundant.
Formica fusca 1 winged ♂.
Bombus lucorum ☿☿. B. agrorum ☿☿. B. lapidarius 1♀.
Psithyrus rupestris 1♀ seen.

Glypta ceratites ? 1♂, 1♀ on Heracleum.
Lissonota parallela 1♂ on Heracleum.

Afternoon. Returned to Dublin, stopping at Ballyhenry Quarry, Wi, for a few minutes. Took one ichneumon, but ? mixed up with those from Kilgorman!

END OF "ARKLOW – JULY 1927" – TRIP.

28th July 1927. – Back Garden at Mayfield, 14 Clareville Rd., Dublin: late afternoon; very hot sun.
Odynerus parietinus ♀ seen.
Crabro varius seen.
Megachile willughbiella worn ♂ & ♀ seen at Campanula.
Bombus agrorum ☿ seen.

31st July 1927. A hot day, with heavy showers & strong S.W. winds but very hot sun in intervals.
Right bank of R. Slaney for 1/4 mile above Ballyhubbock Bridge, Glen of Imaal, Co. Wi.

All labelled
Glen of Imaal
Co. Wi. A.W.S.
31. 7. 27.

Bombus agrorum 1♀, a few ☿☿.
" lucorum a few ☿☿.
Andrena coitana a few ♀♀
Halictus ♂♂ seen ? all rubicundus
Nomada obtusifrons 1♀.
Odynerus sinuatus a ♂ & a ♀ on Angelica.
Crabro cavifrons ♂♂. C. chrysostomus ♂ & ♀♀.
C. varius ♂♂ & ♀♀. C. podagricus 1♀ on Angelica.
Tenthredo arcuata common.
Tenthredella atra ♀ ✓RCLP. T. colon ✓RCLP ♂ & ♀ on Burdock leaves.
Pachyprotasis sp. fem. in Kilcoony on 25 July 1922.
Athalia lineolata abundant. A. lugens ♂ & ♀. ✓RCLP.

Angelica well in flower!

31.7.27 cont. Glen of Imaal cont.

Ichneumonidae &c.:

Protichneumon laminatorius 1♂ (new to Ireland!) no doubt bred at expense of Sphinx populi which occurs on poplar trees at hand: taken on Burdock leaves just after shower!

Phthorimus compressus 1♀, on Angelica flowers (new to Ireland!)

Lissonota bellator 1♂, ♀♀ frequent on Angelica. L. errabunda ♂. Roman No. 198.

Glypta cf. nigrotrochanterata? ♂. 2 ♂ [illegible]

[illegible] ♀♀

Alomyia debellator, large red ♂.

Deerpark, Powerscourt, Co. Wi.

All round logs, ¼ mile above gate lodge, on rt. bank of river!

3rd August. 1927. Afternoon 3–5 pm. A very dull, hot, afternoon, after a glorious sunny morning! Very few insects about, except flies!

Bombus agrorum a few ☿☿. B. lucorum 1♀, a few ☿☿.

B. hortorum ☿☿ common at Foxglove.

Psithyrus barbutellus 1♂, fresh, at Ragweed.

Andrena coitana ♀♀ on Rubus.

Halictus rubicundus ♂♂ & ♀♀. H. freygessneri ♂♂.

Myrmica ruginodis ♂

Leptothorax acervorum ☿☿.

Crabro cetratus 1♀ at log. C. leucostomus

Mellinus arvensis ♂♂ & ♀♀.

Passaloecus monilicornis 3♀♀ on one of great logs.

Vespa vulgaris ☿☿ seen. Odynerus parietinus 1♀ seen, with white larvae.

Ichneumonidae &c.:

Lissonota femorata 3♀♀. ~~Poemenia hectica~~ ♀ on log, with Passaloecus. No!

Glypta [illegible]

Myriarthrus lineator 2♀♀

Perithous [illegible] 1♀.

Previously all Powerscourt insects have labelled the same but henceforward, if possible, those from the deerpark will be distinguished by "DPK" & those in Demesne by "dm".

7th August 1927. A wet morning, clearing at 10 A.M. Sun all day on coast: cloudy in hills. Rain in evening on arrival of "depression" from S.W. Warm, but very windy!

The Murrough, S. of Newcastle station & road.
1 = on coast & along railway: 2 = Willow scrub in marshes.

Flies. Anthrax paniscus: quite common along railway & dunes at 1.

Stratiomys furcata. About 8 examples, on Wild Carrot at 1 & on Angelica at 2.

Chalcid. Smicra sispes L. 1♀ on Angelica in marsh at 2. As I got in sight, it crawled under the umbel & stayed there till shaken into net. Presumably bred at expense of Stratiomys larva!

Aculeates. Bombus terrestris 1♂ on Carduus palustris at 2 the first terrestris seen for months: B. agrorum ☿☿ common. B. muscorum ♀♀ frequent. B. lapidarius 1☿. B. hortorum ☿☿. Psithyrus barbutellus 1♂ [B. lucorum not seen!]

Colletes picistigma ♂♂ (very worn) & ♀♀ on Leontodon hispidus.
Halictus tumulorum ♀ seen at 2.
Crabro vagus ♂ & ♀ seen at 2.

The Murrough: 7.8.27 cont.
Pompilus gibbus & P. plumbeus common at 1.

Ametastegia glabrata ♀ v RCLP.

Ichneumonidae &c:

Chelonus

Glypta mensurator 2♀♀, G. "nigrotrochanterata" 1♀ (long terebra).
Lissonota bellator ♀♀ (one with almost quadrate 2nd segment, ? this species, abnormal).
L. ♂ (black coxae).
Pimpla brassicariae ♀.

8.8.1927. a ♀ Lissonota femorata taken by A.M. Gwynn in deerpark, Powerscourt, Co. Wi. verified as such by Dr. A. Roman: see Roman No. 76, vol. 3 ms. p.100. →

11th August 1927. Afternoon: fine, but very stormy: fair sun!
Logs, near gate of Deerpark, Powerscourt, Wi., as on 3rd Aug.

Trypoxylon clavicerum 1♀ on oak log with Passaloecus monilicornis where it was seen to enter an old beetle hole on 3rd inst. NEW TO IRELAND.

No other aculeates of interest seen, but ♂ Psithyrus barbutellus as before.

Ichneumonidae &c:
Rhyssa persuasoria 1 very large ♀ on log below saw-mill, with much white on it & a large rect. patch of red on centre of mesothorax!
Chelonus [illegible]

14th Aug. 1927. Very humid & rain nearly all day. One hour's interval with some sun!
Canal Bank, N. of Sallins, Co. Kildare

Bombus lucorum 1♂, several ☿☿.

B. agrorum ☿☿.

Halictus calceatus 1♀ on Ragweed. H. freygessneri 1♂

Tenthredo arcuata

Ichneumonidae &:

Glypta ceratites ♀, G. monoceros ♀. G. "longicauda" 2♀♀.

16th Aug. 1927. Late evening: fine & sunny.
E. slope of Kilmashogue, behind St. Columba's College, Dub.
Only hymenopteron seen was Bombus lapidarius of which numerous workers & very fresh males were seen on flowers of Carduus palustris!

19th August 1927. Afternoon. Windy but some sun & no rain.
Deerpark &c, Powerscourt, Wi. Logs &c. on right bank of river &c! After dreadful weather very little to be seen
Bombi as last visit but ♂♂ Psithyrus barbutellus quite common.

Salius exaltatus ♀♀, small & large.

Crabro cetratus 2♀♀. C. varius in oak stump.

Vespa vulgaris ☿☿ common. Leptothorax ☿☿ very common in stumps.

Athalia lugens, in demesne.

Ichneumonidae &:

♂ Amblyteles (very yellow). Tryphon gallus in demesne, not in Deerpark!

[Small Lissonota ♀ taken in kitchen at Mayfield on 21.8.27 by George close to box of Silver Fir cones brought from Powerscourt & almost certainly derived from them! Like small [illegible] L. variabilis.] = L. culiciformis Roman No. 106, see note on next p. →

Lissonota variabilis ? 2♀♀.

21st August 1927. A windy day with dreadful showers from W. & N.W. Hot sun between.

Went in afternoon to foot of old road over Mt. Seskin, "Tallaght Hill", Co. Du.

Bombus ~~[illegible]~~ agrorum ♀♀, B. muscorum ♀♀ & ♂♂ quite common, B. lapidarius ♀♀ quite common: all on thistle flowers in field between road & glen! i.e. Glen E. of "Tallaght Hill."

Crabro cavifrons ♀ seen ~~ent~~ entering burrow in burnt ~~stump~~ by road.

Ichneumonidae &: A few on Angelica in glen, but most including wingless Braconid (Chasmodon apterus) taken on burnt stump.

— This note refers to previous page. A.W.S.

Many cones were brought home on 19-8.27 ~~this~~ date & a ~~few days afterwards~~ on 21.8.27 George found a ♀ Lissonota culiciformis, dark var., Roman No. 106, in our kitchen at Harold's Cross, which may or may not have come out of the cones! A.W.S.

25th August 1927. A fine day but some clouds & W. wind. Drove to the Derries, Ballybrittas, (5 miles S.W. of Monasterevan!) thence on to Rock of Dunamace, via Great Heath, & home by Stradbally. Queens Co.

1 = The Derries. 2. = Great Heath. 3 = R. of Dunamace.
4 = Quarry on Stradbally Rd. ½ mile S. of 3.

Croesus septentrionalis vRCLO? var. stephensi Newman 1♀ on Angelica by drain along S.W. corner of the Derries at 1.

Hover Fly on Angelica.

Chasmias lugens 1♂ on Angelica at 1. {3♀♀ taken under bark of log at same place on 16th Oct.

Genarches sulphuratus ♀ at 1. [AWS. 1930!]

Colletes succincta 1♂ 1♀ in sand pit at 2.

Halictus rubicundus fresh ♂♂ & ♀♀ at 4
" nitidiusculus ♂♂, H. calceatus ♂♂ & 1♀, H. albipes ♂♂ at 1
" tumulorum ♂♂, H. villosulus 1 worn ♀ at 4.

Salius exaltatus ♀♀ at 4

Mellinus arvensis ♂♂ & ♀♀ at 4.

Athalia lineolata at 4.

Bombus lapidarius (♀♀ ♂♂) was the common sp. of the district. B. muscorum also frequent, B. agrorum less so; B. lucorum a few, mostly ♂♂. Psithyrus campestris ♂♂ seen

Ichneumonidae &: many spp. almost all at 4 but a few on Wild Carrot at 2 & some at 3.

Lissonota basalis ♂, L. bellator ♀, small dark var., L. variabilis ?♀, L. Glypta

Pimpla detrita [illegible] P. brevicornis ♀♀

25/8/27. Dunamace, &c. Q. Co. cont.

28th August 1927. A beautiful day after heavy rain in night!

Deerpark, Powerscourt, Wi.
1 = old road along cliffs of Maulin at ca. 1,000 ft. alt.
2 = logs &c. in floor of deerpark as before.

Bombus jonellus ☿☿ abundant on heather at 1. B. lucorum a few ♂♂ at 1.
B. hortorum fresh ♀ & ☿☿ on Foxglove on cliffs by the fall.
B. agrorum a few ☿☿ at 1.
Psithyrus campestris ♂♂ & ♀♀ seen. Cr. tarbutellus on thistle at 2.
Andrena fuscipes ♂♂ abundant at 1, mostly faded.
Halicti as before
Sphecodes hyalinatus 1♂ at 1.
Nomada rufipes 1♀, others seen at 1, with A. fuscipes!

Powerscourt: 28.8.27 cont.

Vespa vulgaris ☿☿ abundant.
Crabro palmipes ? 1♀, ? varius! others seen at 1. C. varius ♂♂ at 2, in stumps.
C. cetratus several ♀♀ in stumps at 2. C. clavipes at 1, in bank.

Passaloecus monilicornis 1♀ in stump, at 2.
Pemphredon shuckardi 1♀ in stump, at 2.
Mellinus arvensis ♀♀ seen at 2.
Trypoxylon clavicerum another ♀ at same stump at 2.
Small Nest, with solitary open cell, of ? Odynerus, on rock at 1
Bug: Zicrona coerulea at 1, amongst gravelly-heathery place!
Ichneumonidae &c:
Hisleromerus mystacinus a ♀ at long, very rotten log on steep bank, at 2 not far below meeting of the rivers! 2nd Irish specimen!
Poemenia (Ballachia) hectica Grav. Another ♀, at standing stump, at 2, near gate.
Meniscus ? impressor 2♀♀ at great ash log near meeting of rivers, at 2
Lissonota variabilis ? 2♀♀ at stumps & logs at 2. L. ♀ ditto, at 2.
Lampronota 1♂ at 2, ? where
Cryptid long ♀ with Poemenia! at 2 = Plectocryptus brachypterus Grav.?

30th Aug. 1927. A fine day, spoiled by thick haze covering the sun. After 1 p.m. practically nothing out.

Morning. Annaghcreary Wood (remains of) above Kilmalin, Enniskerry, Wi. Alt. 900–1100 ft.

Halictus rubicundus ♂♂ & ♀♀. Hal. leucopus 1 ♂ on Jasione
Bombus agrorum ☿☿, B. muscorum ☿☿ frequent. B. lucorum ♂♂
B. terrestris 1 ♀ seen; the first specimen seen for many months.
Vespa vulgaris ☿☿ seen.
Crabro 4-maculatus ♂♂ & ♀♀ on bracken & nesting in uprooted stumps.
C. varius ♂♂ & ♀♀ nesting in uprooted stumps.
Pemphredon lugubris 1 large ♀, nesting in stump.
Agenia variegata ♀♀ at stump.
Pompilus niger ♀♀. P. gibbus? 1 ♀ seen.
Salius exaltatus ♀♀ seen.
Mellinus arvensis ♂♂ & ♀♀ seen.
Leptothorax acervorum winged ♂ & ♀ & many ☿☿.
Myrmica ruginodis, scabrinodis & Formica fusca. Winged forms!
Ichneumon sp. ♀. Also ? ♂♂ of same sp.
Several small Tryphonids & Ophionids spp. [illegible] with those from Powerscourt to follow.
Chalcid sp. at stump.

30. 8. 27 cont.

Afternoon. Deerpark, Powerscourt, Wi. as before.
Passaloecus monilicornis ♀
Lissonota variabilis ♀ ? L. , L. bellator 2 ♂♂, L. commixta ? ♂.
Hyptia sp. ♂ & ♀.
[illegible] = Desogmus areolator Hal. ? ♀
Myriarthrus lineator 2 ♀♀. [illegible] Thoms.
Spathius exarator ? 1 large ♀.

2nd Sept. 1927. A very fine sunny day!
Coronation Plantation ① & cut down woods at Kippure ② ~~House~~ Lodge, Upper Liffey Valley, Co. Wi. A.W.S. Almost all taken at 2!

Labelled
Upper Liffey
Wi. A.W.S.
2-9-27

Bombus agrorum ☿☿. B. muscorum ☿☿
B. lucorum ♂♂ & 1 fresh ♀ & ☿☿.
Psithyrus distinctus 1 fresh ♀ seen, at 2.
Vespa vulgaris 1 ☿ seen, at 2.
Crabro varius 2 ♀♀ at stumps at 2.
Andrena subopaca ♀ √RCLP. at 2.

Pristiphora melanocarpa ♀ √RCLP. at stump at 2.

P.T.O. 2 pages!

Collected by Mr S. L. Westropp at Lickstown, N. Cork.
July – Aug 1927.
Pimpla instigator ♂ 2♀ (not bred)
Pompilus nigerrimus ♀.
Metopius micratorius 2♂♂
Schizoloma capitata 2♂♂, 4♀♀?

Collected by E. O'Mahony.
Portmarnock, Dn. 7.9.27.
Ichneumon sarcitorius 1♀. 2 Microgaster.
Sphecodes divisus? ♂

Collected by E. R. Pack-Beresford
At The Tanny, Baily, Howth, Co. Dn. June 1927.
Megachile versicolor 2♀♀, at yellow composite!
Lissonota femoralis ♀. Odynerus pictus ♀.
Halictus rubicundus ♀.

At Fenagh, Co. Carlow. July 1927.
Glypta mensurator, small ♀ & 4 other ich.

150 → Two pages skipped!

2.9.27 cont. Upper Liffey cont.

Ichneumonidae &c:

Meniscus impressor ♀♀ common at stumps at 2.

Lissonota several small black sp.! L. baccator ♀. Roman No. 97.

Lampronota 1♂ at 2.

~~Stenichneumon pictus~~ ? 2♀♀ at 2. not sexpunctata ?

Acanthocryptus nigritus ♂

4th Sept. 1927. A very fine day & no wind at all in morning.

The Murrough at Killoughter, Wi. [no Angelica!]

Bombus lucorum ♂♂. B. agrorum ☿☿ a few. B. muscorum ☿☿

B. lapidarius ♂♂ & ☿☿ frequent. [B. ruderarius ♂♂ ? seen]

Halictus rubicundus, calceatus & albipes ♂♂. H. nitidiusculus ♂♂ & ♀♀.

Ichneumonidae &c: many species along railway: almost all on Wild Carrot.

Spilothyreus occisorius ♂♂. Amblyteles equitatorius ? 2♂♂.

Lissonota cylindrator ♂♂ & ♀♀. L. sulphurifera & bivittata 2♂♂ & 1♀

L. bellator ♂♂ & ♀♀. [L. sp.]

Campoplex tumidulus ♂ 1♀.

All labelled

The Murrough
Wi. 4.9.27.

P.A.C. Collecting.

Portumna, S.G. 23.8.27. (with Brown Hinchcliffe)

Crabro chrysostomus, 1♂, C. clavipes 1♀.

Passaloecus monilicornis 1♀.

1 sawfly.

Portumna, S.G. 24.8.27.

Vespa rufa, V. vulgaris & V. sylvestris, 1☿ of each.

Odynerus pictus 1♀.

Crabro chrysostomus 2♂♂ & 1♀.

Athalia lineolata 2♀♀

Pimpla turionellae ♂♂ & ♀♀ small!

Corkeby, E.C. 3.8.27.

Vespa norvegica 1☿.

Crabro cavifrons 1♂ 2♀♀.

151

…ccasional sun.

Hill of Uisnach,

…ach!

… muscorum ☿☿ a few.

… 1♂ v. franciscanus

… ♂♂

R. A. P.'s Collecting.

Portumna, S.G. 23.8.27. (with Brown Hairstreaks)

Crabro chrysostomus 1♂, C. clavipes 1♀.

Passaloecus monilicornis 1♀.

1 sawfly.

Portumna, S.G. 24.8.27.

Vespa rufa, V. vulgaris & V. sylvestris 1 ♀ of each.

Odynerus pictus 1♀. Pimpla turionellae ♂♀, small!

Crabro chrysostomus 2♂♂ + 1♀.

Athalia lineolata 2♀♀

Corkbeg, E.C. 3.8.27.

Vespa norvegica 1♀.

Crabro cavifrons 1♂ 2♀♀.

Pemphredon lugubris 3♀♀.

Braconidae. Chelonus sp.? 1 example.

Woodford, S.G. 30.8.27.

Psithyrus campestris 1♂, dark var.

Halictus albipes 1♀.

Formica fusca, Lasius flavus, Myrmica ruginodis & scabrinodis.

Bethylus fuscicornis Lissonota bellator ♂

Sandpit, Derryhiney, S.G. 31.8.27.

Myrmica ruginodis. Myrmosa melanocephala 2♀♀.

Salius exaltatus 2♀♀.

Psammochares gibbus 1♀

Mellinus arvensis 5♀♀.

Halictus rubicundus 4♂♂ H. calceatus 1♀ H. nitidiusculus 3♂♂ 1♀

Formica fusca 1♀ Also 2 ichs. (1 wingless, Pezomachus sp.)

R. A. P.'s collecting.

Ennistymon, Co. Cl. RAP. 27. 9. 27.

Vespa vulgaris 4 ♀♀.

Halictus calceatus, albipes & freygessneri ♂♂♂ ♀♀.

Crabro varius 2 ♀♀: a very late date for this species.

Ichneumonidae.

Pimpla instigator 1 ♀ large black sp. with red legs.

〃 examinator 1 ♂.

2·9·27 cont. Upper Liffey cont.

Ichneumonidae &c:

Meniscus impressor ♀♀ common at stumps at 2.

Lissonota several small black sp.! L. baccator ♀: Roman No. 97.

Lampronota 1♂ at 2.

~~Stenichneumon pictus~~ Mel. sanguinator? ? 2♀♀ at 2.

Acanthocryptus nigritus ♂

4th Sept. 1927. A very fine day & no wind at all in morning.

The Murrough at Killoughter, W1. [no Angelica!]

Bombus lucorum ♂♂. B. agrorum ☿☿ a few. B. muscorum ☿☿

B. lapidarius ♂♂ & ☿☿ frequent. [B. ruderarius ♂♂ ? seen]

Halictus rubicundus, calceatus & albipes ♂♂. H. nitidiusculus ♂♂ & ♀♀.

Ichneumonidae &c: many species along railway: almost all on Wild Carrot.

Spilichneumon occisorius ♂♂ Amblyteles competitorius ? 3♂♂

Lissonota cylindrator ♂♂ & ♀♀. L. sulphurifera & bracata 2♂♂ & 1♀

L. bellator ♂♂ & ♀♀. L. [illegible]

Campopl. [illegible] ? 1♀.

All Collected
The Murrough
Coll. 4·9·27.

4/9/27 cont.

Pimpla examinator common. Macrocentrus marginator ♂ & ♀.

5th Sept. 1927. A cloudy, hot day, with occasional sun.

Meadows at S.E. corner of Kunestown bog, S. of Hill of Uisnach, Co. Westmeath (=WH). Bumbles on Hill of Uisnach!

Bombus lucorum comm ☿☿ & ♂♂ rare.

Bombus ~~agrorum~~ lucorum ☿☿ & ♂♂ a few; B. agrorum & muscorum ☿☿ a few.

B. hortorum ☿☿ frequent. Psithyrus campestris 1♂ v. francisanus

Vespa vulgaris & V. sylvestris 1☿ of each seen.

Ichneumonidae &c: all on Angelica in meadows!

Alomyia debellator 1♀, very large & red. Lissonota bellator ♂ & ♀

Ichneumon gradarius 3♂♂ & ♀ on Angelica

9th Sept. 1927. Aft. dull at first then sunny, but cool & windy.

Fringe① between roads at Enniskerry & foot of Glencullen② (Knocksink Glen!), Wl.

Bombus ruderarius (derhamellus) 1♂ at 1

B. lucorum & agrorum ☿☿ seen.

All labelled Enniskerry. 9.9.27

Odynerus trifasciatus 1♀ at 1 on Angelica.

Ichneumonidae &c. Almost all taken in glen (woods) on Angelica or in clearings where sun shone. on bracken &c.

11th Sept. 1927. A dull windy day (NE & NW) cold with some rain: very little out.

Morning. Ballyhenry quarry, Co. Wl.

Bombus agrorum a very few, ☿☿ only.

Vespa rufa 1 beautiful ♂ on Angelica.

Ichneumonidae &c: almost all on Angelica, W. of main road.

Afternoon (11/9/27). Altidore Glen, Wl.

Meniscus impressor 1♀ on log.

NB. Very good ground for July–August collecting!

18th Sept. 1927. Dull, cold, becoming milder.
Devil's Glen, Co. Wi. from below!
Vespa vulgaris ☿☿
Bombus lucorum & agrorum ☿☿ & ♂♂.
Ichneumonidae ♂: about 12 spp.
Eclytus fontinalis Holmgr. ♂.

It was probably on this date that I collected the first larvae of the new Pteronidea subsequently described by Benson as Pt. fuscaruma in "Stylops", Nov. 1933 (for ref. see p. 156 →).

18.9.27. afternoon. Channel at Killoughter
Co. Wi., as before.
Ichneumonidae ♂. about 6 spp.

23rd Sept. 1927. Aft. Cold but sunny
Foot of Glencullen, everything taken in flat marshy spot where old road runs through swamps!, Co. Wi.
Vespa vulgaris ☿☿ & Bombus agrorum ☿☿
Ichneumonidae 7 spp.

All labelled | Glencullen Co. Wi. A.W.S. 23.9.27

25th Sept. 1927. A cold, wild day, with heavy showers.
Ballinascorney channel, 900 ft. alt., Co. Dub.
Lissonota basalis 1♀ on Angelica.

5th October 1927. A beautiful day!
Glencar, Sligo.
[Vespa vulgaris 1☿ in Sligo town] Bombus agrorum ☿☿.
Ichneumonidae ♂: 5 spp. Tryphonid at 1,000 ft. on cliffs.

9th October 1927. A soft warm day with plenty of sun, after a sunny week! (1st run in Talbot car)

Devil's Glen (from below), Co. Wi. AWS., AA Lisney & AM Gwynne

Bombus agrorum faded ♀♂. [B. lucorum ? one reported dying or dead by Lisney].

Many sawfly larvae collected in bed of stream on willows & sent to Perkins, who replied that amongst these he could recognise 4 with certainty as follows:— Pteronidea miliaris * 4 to 6 examples.

" melanaspis 6 to 8 "

" pavida, a few. {RCLP bred a ♂ Tryphonid parasite!

" ferruginea, a large number: old ones with orange spots, young nearly black.

" *N. sp.! Many larvae from which a few ♂♂ & many ♀♀ bred by R.C.L.P. in April-May 1928.

Ichneumonidae ♂:

Lampronota sp. 1♂

Two small [illegible] of Ich. & other seen [illegible] willow [illegible]

" " [illegible] diptera larvae

Eventually described in "Sawflies" Vol. 2, part II, Nov. 15, 1933, by R. B. Benson, as Pt. [illegible] sp. n. A.W.S. 27/11/33.

* From these larvae Perkins bred ♀♀ only in July 1928 & from these obtained parthenogenetic eggs which produced ♂♂ on 16.6.1929!

16th October 1927. A dull mild day, with shower in morning.

The Derries, between Ballybrittas & Gt. Heath, Q. Co.

AWS. AAL. & AM Gwynne.

Large Ophionid ——— flying round birch & willow where nearly fully grown larvae of Buff-tip moth were seen.

Ichneumon luctuosus? 3 ♀♀ together under bark of fallen tree & only a small piece stripped!

[illegible]

Many sawfly larvae on birch & particularly on willow sent to Perkins.

1♂ Halictus calceatus or albipes seen on Knapweed flower & 1 bumble seen flying in distance.

23rd October 1927. A beautiful mild day [illegible] after 48 hours continuous & heavy rain!

Bombus agrorum ♂ & 2 ♀♀ on Origanum in Glencullen, Wi.

Psithyrus barbutellus, ♂ on Origanum " " "

Halictus rubicundus, 1 fresh ♀ on Ragweed " " "

Vespa vulgaris ♀ & ♂ on ivy at Whitechurch, Co. Dub. Ivy just out!

No Ichneumon seen!

31st Oct Ballyhenry [illegible] Co Wl.
Halictus villosulus a fresh ♀ on a newly opened Dandelion
& also a [illegible].

6th Nov. 1927. A cold day, with mist in hills.
Upper Dargle, above Powerscourt Fall & one mauli.
Cocoon of Braconid found on grass leaf by A.A. Lisney Wl.
at about 1,200 ft. alt.; but never hatched!
[On return home, I found a specimen, ♀, of [illegible]
inside the motor. Probably this came
from Powerscourt, just below deerpark, where I
left the motor & J.C.J. Palmer was gathering
cones of Douglas Fir: possibly it came out
of the cones or possibly it hatched out of some
cocoon hidden in the motor for a long time
& therefore habitat uncertain & will label it
"motor", Co. Du or Wl?, 6.11.27! A.W.S.

13th Nov. 1927. A most beautiful day, with blue sky & very
hot sun & no wind, after a hard frost.
Walked with Hugh from Old Bawn to Bohernabreena
road & back by left bank of Dodder. Few primroses
in flower in old river bend ~~below~~ opposite Bohernabreena chapel
& in same place Vespa vulgaris ♀♀ & ♂ on Ivy flowers
& one nice Ichneumon seen besides primroses but not
captured, about size of large Tryphon with long
antennae & black polished abdomen!

List of Glyptae sent to A. Roman & returned by him in Nov. 1927.

Nos. will be found on labels of the specimens, as below.

No. 1. Glypta bicornis Boie var. rostrata Holmgr. ♂. Roman agrees!
S. side of Arklow Head (Askintinny) Wl. A.W.S. 14.7.26!

No. 2. Glypta bicornis Boie, var. rostrata Hg. ♀. Roman agrees!
St. Annes, Clontarf, Du. 20.7.25. E. O'Mahony!

No. 8. Glypta bicornis Boie, var. rostrata Hg. a dark form of ♀. Roman agrees!
St Annes, Clontarf, Du. E.O'M. 7.8.24!

No. 3. Glypta ceratites Grav. ♂. Roman agrees!
Ireland's Eye, Du. A.W.S. 30.7.26!

No. 4. Glypta ceratites Grav. ♀. Roman agrees!
Coast at Mizen Head, Wl. A.W.S. 8.8.25!

No. 5 } No. 6 } Glypta elongata Holmgr. ♂ & ♀. Roman agrees & says "dark var."!
Deerpark, Powerscourt, Wl. A.W.S. 19.6.25.

No. 7. Glypta monoceros Grav. ♀. Roman says "? monoceros, dark var."!
The Murrough, S. of Newcastle, Wl. A.W.S. 19.9.26!

No. 9. } No. 10. } Glypta mensurator Grav. ♂ & ♀. A. Roman says "Probably right, but a dark var."
Ireland's Eye, Du. 30.7.26!

No. 11. Glypta mensurator Grav. ♀. Roman agrees.
Rathdrum, Wl. 12.8.26!

No. 12: Glypta mensurator Grav. with very long terebra. Roman says "An interesting form of mensurator, perhaps = nigrotrochanterata Strobl. but with yellow stigma & more red on abdomen & trochanters." "[illegible] by A.R.
W. of Arklow, Wl. 12.8.25!

Glyptae seen by A. Roman cont.

No. 13. *Glypta mensurator* ♀ var. with long terebra! Roman says "is *nigrotrochanterata*, only the yellow staining differs." Later Roman says not n-trochanterata

Ennereilly, N. of Arklow, Wi. AWS. 28.8.25!

No. 14. *Glypta mensurator* ♀ var. with long terebra! Roman says "same as last" i.e. No. 13.

Strangford, Do. Sept. 1924. Canon A. Foster.

No. 15. *Glypta vulnerator* Grav. ♀. Roman agrees & adds that it "seems to differ from *mensurator* only by the densely pubescent clypeus: the more or less distinct costulae are of little importance".

~~No.~~ Ireland's Eye, Du. 30.7.26!

No. 16. }
No. 17. } Glypta sp.? Roman says "Probably *similis* Brisch." but 4th & 5th hind tarsi are not equal!

Rathdrum, Wi., ♂ on 14.6.26, ♀ on 7.7.26!

Nos. 18. }
& 19. } *Glypta bifoveolata* Grav. ♂ & ♀. Roman agrees & adds "var. with black coxae." Sand pit at Skerries station, Du. A.W.S. 8.8.26!

No. 20. *Glypta filicornis* Thoms. ♂ fide Johnson. Roman says "Either *similis* or *filicornis*, but impossible to discern in a ♂."

Quarry above Glenasmole, Du. 14.8.23. A.W.S.!

No. 21. }
No. 22. } *Glypta longicauda* Htg. Roman says "Probably right, but only a var. of *bifoveolata* (antennae!)" I don't know what he means by "antennae". AWS.

♂ & ♀. Abbeyleix, Q. Co. R. A. Phillips. 27.8.25.

No. 23. }
No. 24. } Run to *Glypta haesitator* Grav. AWS? ♂ & ♀. Roman says "Is *parvicaudata* Brisch. (= *crassitarsis* Thoms.) both described 1889".

Rathdrum, Wi. AWS. 14.6.26!

No. 27. }
No. 28. } Run to *Glypta tenuicornis* Thoms. AWS? ♂ & ♀. Roman says "Is *parvicaudata*"; but seems to me quite distinct from Nos. 23 & 24. AWS.

Tonelagee, Wi. AWS. 5.6.26! Over 1,500 ft alt, probably!

No. 25. *Glypta nigricornis* ♀. Roman agrees & adds "I have found ♂ & ♀ at Upsala on umbelliferous flowers"!

Clara, Wi. 12.7.26!

No. 30. *Glypta* sp.? ♀ Roman says "is *nigricornis* Thoms. & it seems the same as last. AWS.

W. of Arklow, Wi. 12.8.25. AWS.

No. 26. *Glypta varicoxa* Thoms. Roman says "Right. A ♀ from Upsala has purer white on hind legs".

Rathdrum, Wi. 13.8.25. AWS!

No. 29. *Glypta* ♀ "near *scalaris*" fide W. F. Johnson 1925. A. Roman says is "also *parvicaudata*"

(30 see above) Gt. Sugar Loaf, Wi. 31.5.22. R. F. Scharff.

No. 31 }
No. 32 } *Glypta flavolineata* Grav. ♂ & ♀. Roman says "Right, but the species ought to be called *bipunctoria* Thunb."

Glenville, near Lahinch, Cl. ♂ on 25.7.24 & ♀ on 24.7.24! A.W.S.

Glyptae seen by A. Roman cont.

No. 33. Glypta evanescens Ratzb. ♂. Roman agrees. Meeting of the Waters, below Avondale (labelled Rathdrum d.). Wi. 6.8.25. AWS.

No. 34. Glypta sp. ♂ Roman says "Probably mensurator, but difficult to say from a single ♂". To me it looks anything but a ♂ of mensurator if No. 9. is correctly placed. AWS. Ennereilly, N. of Arklow, Wi. 9.8.25. AWS!

[Amongst other Glyptae sent A. Roman to keep in Dec. 1929 were a ♂ G. longicauda from Abbeyleix, QCo. RAP. 27.8.25. and a ♀ " " from Monkstown, MCork. MSDW. Aug. 1925.]

7 Dec. 1927. Saml. Freeland of Belfast Museum, reports seeing Bombus lucorum (I suppose a ♀) on the wing in Lisburn Road, Belfast, on this date!

Taken by Canon Foster in 1927.

Colletes daviesanus. A very worn ♀ taken at Killard Point, DO, on 24.8.27. As I could not make this fit C. montanus, I sent it to R.C.L.P. who replied at length (see letter dated 18.1.28) that it must be daviesanus, which if correct — I await further material — reinstates this species in the Irish list. A.W.S. Later: see p. 125 ante, Clone, WX, where I had taken Colletes daviesanus but mixed them with C. montanus until spotted by R.C.L.P. A.W.S.

1928.

22nd Jan. 1928. Walked from Old Bawn up Glenasmole & down Glencree to Enniskerry. Primrose out (see p. 158 ante!) & Celandine in old sun comb above Old Bawn. Many empty cocoons of Trichiosoma on birch trunks by the upper Dodder at 1200 ft. elev.

5th Feb. 1928 Walked from Kilcool up channel to Newtownmountkennedy & thence up Altidore, where very good Crabro ground seen at top of glen facing S.E.; thence along ridge & W. of Downs Hill, across summit of Gt Sugar Loaf & back to Bray. A most glorious day after foggy morning. No hymenoptera seen, though conditions very favourable; in Altidore the beetle Aphodius punctato striatosulcatus seen flying in hot sun. Very good sawfly & ichn. ground in channel 1/2 mile below Altidore bridge & lots of logs below that again. Celandine out below Altidore.

19th Feb. Drove to Ashford, Wi., & then to Ballylusk where beautiful ground explored in Ballylusk Channel. Alder well out at Ballyhenry, as well as Primrose. Willows coming on.

22nd Feb. 1928. Bombus terrestris ♀ sent to me by Mr Rogers, Leinster Rd., Rathmines.

26th Feb. 1928. Drove to Meeting of the Waters, Wi., & walked up to foot of Avondale. A glorious day but after a week of east wind things looked backward. Saw Celandine, Coltsfoot, Hazel &c in flower, but Primrose, Violet & alder not out & willows pretty backward. Frog Spawn, nearly hatched. One small Hymenopteron taken by Daisy in tea-cup at lunch, but nothing else seen, except Diptera & a few Stone-flies. Found two fruit on Wild Strawberry, one nearly ripe & large, evidently from autumn flowering.

3 Cocoons of Trichiosoma taken in upper branches of Birch trees! [One ♂ Trichiosoma hatched on 27/3/28.]
[One Protarchus rufus ♂, em. 28.5.28: subsequently sent to W. F. Johnson]
[One Protarchus rufus ♀, em. ~~11~~ 10.5.28.]

4th March. A fine morning but no sun after 11 AM. & heavy rain in hills. Drove ASU to Laragh, where from they ascended Mullaghcleevaun! I did not go up more than 2,000 feet & [illegible] seen, but got plenty of Andromeda in bog at head of "Cock Brook" at 1500 feet. Empetrum in full flower & very abundant on Black Hill & Andromeda nearly in flower. No hymenoptera seen!
[Brunker reported Bombus (? lucorum) at Newcastle, Wi. on Sat. 3rd March.]

8th March 1928. Dull & cold after some fine sunny days. Glen above Enniskerry (Glencullen) Co. Wi. Nothing doing, but some early willows well out. Also *Viola reichenbachiana*. Took *Trichiosoma* cocoon on birch from which em. on 22nd May 28 a large ♀ [illegible] *rufipes*!

11th March 1928. Very cold, NE wind, frequent showers of pickly snow. Sunny intervals.

12th. March 1928. Heavy snow all day which lay for a couple of days, but end of week again very warm. *Cupressus macrocarpa* hedge killed!

18th March 1928. A warm day with sun & showers but most of the sun while we were in the car.

Ballyhenry, Co. Wi. No sun while we were there but the morning had been sunny. 12 noon.
Andrena clarkella 2♂♂ on Willow.
Andrena apicata ♂♂ & 1♀, ♂♂ on stones & ♀ on willows.
Meloë proscarabaeus several seen, eating grass as usual.

Clara, Co. Wi. 1pm till 2-30: cloudy.
Only very tall willows out. Large grey moth seen flying round Birch trees at sand-flat. River in spate & deep over *C. approximatus* habitat.

18th March 1928 cont.
Anemone nemorosa out in Glen of the Downs
Caltha well out in Kilmartin Channel, where Daisy thinks she saw it on 19th February.
No *Bombi* seen nor no Chiffchaffs heard.

25th March 1928. A glorious day, after a most dreadfully wet, dull, week!
Woodenbridge district 12-3pm.
Meeting of the Waters, Avoca. 3.15 to 4-30pm.
Andrena praecox ♂♂ on sticks &c in marsh at meeting of Monaglogh & Gold mines Valleys.
Bombus lucorum several ♀♀. } all on willows at foot of Monaglogh Valley.
B. terrestris 1♀.
B. jonellus 1♀.
Dolerus nitens? ♀. Taken by A.A. Lisney in oak-wood in Gold mines Valley, opposite *Hypericum elodes* swamp.
Cryptopimpla anomala Holmgr. 3♂♂ & 1♀ flying over *Vaccinium* in oak-wood in Gold mines Valley.
Banchus ~~*pictus*~~ *crefeldensis* & Roman No. 114 1♂. Taken by A.A.L. on railway below Meeting of the Waters, Avoca.
Tortoiseshell Butterflies (several) seen, *Oxalis acetosella* in flower & 1 Chiff-Chaff heard at foot of Monaglogh & Gold mines Valleys!

sp.? see R.C.L.P.'s note dated 12/11/28, in which he says it cannot be *possilensis*, or *nitens*. He seems to suggest it is *anthracinus* but with furrowed middle lobe of mesonotum.

But in letter dated 8.1.31 after reexamination RCLP says "It is certainly safer to call the 2 ♀♀ *D. nitens* vars. than *anthracinus*."

25th March. 1928. Road west of Shankill (to Kilternan) Co. Dn.
Halictus calceatus ♀ taken by A. A. Lisney on Dandelion!

27th March 1928. A ♂ Trichiosoma hatched from cocoon found on birch twig high up a birch tree at Meeting of the Waters, Avoca, Wi. on 26th Feb.

1st April 1928. A fine day with hot sun from noon to 2 p.m.; then dull.
11-30 AM till 12-30. Ballyhorsey Quarry, Co. Wi.
Andrena apicata ♀ very fresh and small ♂♂!
A. clarkella ♂ & ♀ Dolerus nitens? ♀
Bombus lucorum ♀♀ seen on willow.

I am now satisfied that the Dolerus were taken on patch of [illegible] in Ballyhorsey & there is [illegible] confirmed by Art O'Mahony who was with me. G.W.S. 1.9.29

1/4/28 cont. 1pm. till 4pm. Magheramore, Co. Wi.
Bombus terrestris, several ♀♀. B. lucorum ♀♀.
B. jonellus, ♀.
Myrmica scabrinodis v. sabuleti. ♀ in dune hollow; ☿ in dune.
Pezomachus ☿ in dune hollow.
→ Dolerus nitens? ♀ ([illegible]
NB. River too flooded to cross!

(See RLP's note dated 12.11.28, & also note on previous page under 25th March

Saw these in dunes S. of river but looked as if [illegible] [illegible] [illegible] G.W.S.

Honey bees seen at above place 1929! G.W.S.

5th April 1928. Drove to Rosslare, WX (dropping family at Arklow), with Dr. Louis B. Smyth; also called at Clone, WX (N. of Enniscorthy) but caught only one ♀ Cynipid & saw only Bombus lucorum.

6th April 1928. Met E. K. Tratman of Bristol Spelaeological Society & drove to Cappagh, Co. WA., to B. J. Ussher's for lunch. In afternoon we explored various caves but I saw only several Bombus lucorum. Then to Clonea, NE. of Dungarvan where stayed till 9th.

7th April 1928. Spent the day exploring caves between Dungarvan & Cappagh, WA. Saw a few Bombus lucorum & very fresh ♂♂ ♀♀ Andrena gwynana in quarries near Cappagh. Also nests of Lasius flavus & L. niger; & one nest of Myrmica laevinodis ~~scabrinodis??~~ in Lower Canty quarry, SE. of Ballynamintra, where human remains were discovered in cave by quarrymen some time before: in last nest there seemed nearly as many ♀♀ as workers & it was a very large colony under a flat slab in quarry. Heard several Willow Wrens & saw Gt. Stitchwort, Viola riviniana, Bluebells & Cowslips in flower; also a Peacock Butterfly. A sunny day!

8th April 1928. Drove to Fermoy & back: a dull day turning to rain. Saw Sisymbrium alliaria; Allium ursinum, Arum maculatum & Veronica chamaedrys in flower, 8th April continued.

Very good ground at Ileclash, 1½ miles below Fermoy, EC. & at Moor Park (along cliffs on left bank of Funshion River. Lathraea squamaria abundant at Ileclash, in laurels &c. along cliffs.

9th April 1928. Went to Cappagh in forenoon & then drove to Arklow, dropping Tratman at Enniscorthy! Saw an abundance of Ranunculus auricomus in flower at Stacks' Hazel Copse near Ballinamintra, WA., and when leaving Cappagh in motor saw flock of 4 or 5 Swallows along road to Dungarvan! Rain from S.E. all day.

10th April 1928. Rain in morning from S.E. & strong wind: some sun along coast in aft.
Went to Webb's Glen, Ferrybank in aft. but saw nothing but 1 ♀ Bombus hortorum at Primrose & several other Bombi heard of which one was probably lucorum & 1 jonellus.

~~M.D.S. saw Swallows at Merton~~
Plenty of Willow Warblers about!

From which a ♂ emerged on 25/4/28!

11th April 1928. A fine day with hot sun, but clouds. Foot of Gold Mines & Monaghlogh Valleys, Wl.
Bombus lucorum 1 or 2 ♀♀; B. jonellus 1 ♀ at Vaccinium
Andrena praecox ♂♂ & fresh ♀♀ at willows; & running
A. albicans ♂♂, fresh. A. jacobi 1 fresh ♂.
Dolerus oblongus V.R.C.L.P. 5 ♂♂ in marsh just above where
D. rugulosus 1 ♂. [illegible]!
valleys meet & in latter. Also labelled Monaghlogh Co. Wl. A.W.S. 11.4.28
D. nigratus 1 ♂ in woods in Gold Mine Valley.
? which in woods
Ichneumon on [illegible] " " Labelled G.M. Vall. Monaghlogh Co. Wl. A.W.S. 11.4.28
& which in marsh.

Brimstone, Comma [illegible] seen in Gold Mine Valley

Peacock Butterflies frequent! Holly Blue seen by M.D.S. & George at foot of Monaghlogh Valley!

12th April 1928. Dull & raining till 3 pm; then sunny.
Saw Bombus agrorum in garden at Merton, Arklow & M.D.S. saw Swallows at 10 A.M.: I also saw one at 1 pm. Spent afternoon in sandhills with "guides" showing them plants. Also saw ♀ Bombus terrestris near Inch, C.Wx. in morning before rain.

13th April 1928. Overcast & cold, NE wind, all day
Plenty of Swallows about [illegible].
14th April 1928. Overcast all day & gale from NE.
Returned to Dublin.
15th April 1928. Very cold NE wind (half gale) some sun. Drove to Arklow & back but saw nothing!

22nd April 1928. A glorious morning after a frosty night & a cold week: turning dull at Clara after 12 oclock.
11 till 11-30 AM. Quarry at Ballyhenry, Wl. as usual.
Bombus terrestris 1 ♀; B. lucorum ♀♀.
Andrena clarkella 1 ♀ seen; A. gwynana ♂♂ & ♀♀ seen.
Halictus rubicundus & other, smaller, spp. seen.
Nomada fabriciana 1 fine ♀ taken.
[? Whitethroat heard]

23-4-28 continued
Clara: bridge to sandflat: as usual, Wl.
12 noon till 4 pm. no sun after 1 pm.
Bombus lucorum ♀♀. B. jonellus 1 ☿ (worker!) on Vaccinium flowers.
Andrena lapponica ♂♂ & ♀♀ abundant all along river in wood: ♀♀ very fresh.
No Nomada seen.
Salius fuscus 1 ♂ on sandflat.
Ichneumon = Amblyteles palliatorius ♀ ? var.) taken by A.A. Lucey
Stenichneumon culpatorius ♀
" ^ red, black & white ♀) in wood.
1 Braconid in wood. (Coeleoides sp. ??)

Holly Blue ♂♂, several seen, one caught.

25
~~24~~th April 1928. Plenty of Swifts about in the evening: seen the previous day by J. P. Brunker.
27th-28th. M.D.S. heard Corncrake during night!
2[illegible]th April 1928. 1 ♂ Trichiosoma [illegible] hatched from cocoon taken at foot of Old Waterloo, Avoca, Wl. on 11th April, on top twig of small birch (4 ft. high).
2[illegible]th April 1928 1 ♀ Phobocampe [illegible] Thoms. hatched from cocoon taken on nettle (with larvae of Vanessa io) near Ballyarthur Gate, Avoca, Wl, on 26th July 1927.

29th April 1928. A fine sunny day! Went to Clara, Wl, as before, but stopped for a few minutes by a marsh near Garryduff cross-roads, E. of Greenybarn where a few ♂♂ Dolerus aeneus were taken.
Clara.
NB. There are 3 D. aeneus
D. rugosulus = 1 D. rugulosus
1 D. nigratus } all dated 29.4.28 & it is now impossible to say which was taken in the wood, at Clara: see next p.!
Andrena albicans ♂♂ common. A. lapponica, only a few seen (♂♂ & ♀♀). A. wilkella 1 ♂ at bridge.
Halictus rubicundus, albipes & calceatus ♀♀ seen.
H. villosulus 1 ♀ at bridge.
Sphecodes sp. ♀ seen (? affinis or hyalinatus) in wood by river.
Nomada leucophthalma ✓ RCLP. ~~ruficornis~~ 1 ♀ ~~(with A. lapponica?)~~. N. bifida 1 ♀.
Bombus lucorum, agrorum ♀♀. B. jonellus ♀♀ & ☿☿.
B. sp. (? ruderarius or possibly lapidarius) ♀.
Psithyrus distinctus & quadricolor ♀♀ more common than Bombi!

29.4.28 cont. Clara cont.
Vespa rufa ♀♀. V. vulgaris 1♀.

Dolerus rugulosus (rugosulus) 1♂ in woods W. of Crossyhurn! see previous page!
Ischnocerus ~~filicornis~~ seticornis 2♂♂ flying over Vaccinium in woods at different places about 1-2 pm. No more seen during afternoon which was very sunny.
Acanthocryptus nigritus ♀ Grav.

Braconid. [illegible] ? very common at Vaccinium.

1st May 1928. A fine day; but with misty clouds covering sun most of the afternoon: very warm when sun out.
Afternoon: Bohernabreena (foot of Glenasmole) Co. Du.
Bombus lucorum, terrestris (1), agrorum, jonellus & muscorum ♀♀.
Andrena albicans ♂♂ & ♀♀; A. praecox 2♂♂; A. apicata ♀ at Salix
Halictus rubicundus ♀♀ & smaller spp. seen.
Ichneumon terminatorius ♀ at Salix.
[illegible]

Cuckoo heard!

Dolerus possilensis 1♀ in marsh east of river.
D. oblongus 1♂, D. nigratus 1♂, D. haematodes 1♂

Friday 4th May 1928. A misty morning clearing at noon & a fine warm sunny afternoon! With E.F. Bullock.
Devil's Glen, Wi. Noon till 2-30 pm. with Bullock.
Bombus lucorum, terrestris (1 dead), agrorum ♀♀.
Andrena lapponica 1 dead ♀, A. jacobi 1♂ (E.F.B.)

Halictus rubicundus, calceatus, & albipes ♀♀.
Nomada marshamella ♂ (E.F.B.)

Sawflies. Pontania one ♂ each of 2 spp. R.C.L.P.
Euura sp. 3♂♂. Flying round willows in bed of stream!
Pteronidea melanaspis 2♂♂. ✓RCLP.
Pt. n. sp. (✓ R.C.L.P.) 11♂♂, 1♀. ♂♂ flying round willows: ♀ on willow in bed of river.
= Pt. fuscarima Benson 1933.
Ichneumonidae
Lissonota carbonaria? ♀ at willows.
Ichneumon ♀ on bank of river.

Woodruff in flower!

[O'Mahony brought me {a ♀ Blennocampa tenuicornis v. humeralis ✓RCLP = alchemillae Cam.
a ♂ Alloëa contracta Hal. (Braconid!)
from Kilbarrack Marsh, Co. Du. And a ♀ of Hoplocampa flava (= ferruginea), ✓RCLP taken by his father (J. O'M) in house at Athy, Co. KD. on 2.5.28!]

6th May 1928. A terrifically hot, sunny, day & the only clouds seen all day arrived to cover the sun during my halts! Drove to Athy & on to marsh full of (Schoenus nigricans (not rushes!) near Ballylynan, Q.Co., then to Stradbally, via Beauteogue, where old wood at the Hall seems splendid ground for July – Sept. collecting; then to Dunamace, where I worked the quarry beside the Maryborough road; & home without stopping. A disappointing day!

Bombus lapidarius 1♀, B. hortorum several ♀♀, B. agrorum & B. lucorum ♀♀.

Andrena nigroaenea ♂♂ & ♀♀, A. albicans ♂♂.

Nomada marshamella ♀♀. Sphecodes divisus 2♀♀

Halictus rubicundus, albipes, nitidiusculus ♀♀.

All seen in quarry near Dunamace.

Salius (? fuscus ♀) seen in wood at the Hall, Stradbally

Leptothorax acervorum at stump with Salius! Dolerus aeneus ✓RCLP. ♂ amongst Gorse above quarry.

Lissonota cf. segmentator ♀
Cryptus like C. [illegible] ♂♀
Pezomachus ♀
} All in quarry near Dunamace!

[Large White Butterfly (♀) seen in garden at Mayfield on return home!]

7th May. Vespa germanica ♀ taken by J. R. Barker — Harold's Cross

8th May 1928. Afternoon: cloudy: some sun: chilly N. breeze.
Bohernabreena: foot of Glenasmole, Co. Dub.
The usual rushy marshes on rt. bank of Dodder above Mr. Doyle's &c. With Miss Scott.

Bombus lucorum & agrorum ♀♀ seen.

Andrena albicans ♂♂ & 1♀. A. jacobi ~~&~~ 1♀ at burrow

A. apicata ♀ seen on willow. A. minutula ? ♀ seen on Dandelion

Halictus rubicundus ♂♀ seen.

Nomada marshamella common at burrows of A. jacobi.

Vespa norvegica ♀♀ gathering wood fibre at upper reservoir.

Dolerus haematodes ✓RCLP. ♂, + ♀ taken by Miss Scott to breed from
" ~~[illegible]~~ oblongus var. ✓RCLP. ♀ " " " "
" oblongus ♂. ✓RCLP. Also some taken by Miss Scott.

Ichneumonidae

Lissonota carbonaria* ♀ taken at willow by Miss Scott. ["Correct"! Roman No. 77.

Cryptus [illegible] ♂♂ & ♀♀ ♀ taken by Miss Scott

[12.5.28. Empria ? conjicornis ♂ RCLP. Ennis, Cl. RAB. 12.~~III~~5.28]
See RLCP's list dated 7.12.28.

13th May 1928. A dull day, with only two glimpses of sun after reaching ground!
Ballylusk, channel, oakwoods & marsh, Co. W.
(an overflow channel on NE slope of Carrick Mt.!)

Andrena lapponica 1♀ seen
A. albicans ♂♂ & 1♀ seen.
Halictus rubicundus ♀♀ seen.
Bombus lucorum ♀♀ & 1☿ (worker) seen.
B. jonellus ♀♀, also numerous ☿☿ seen on Vaccinium.
B. agrorum, B. muscorum 1♀, & B. derhamellus 1♀ definitely identified. All at Vaccinium.

Dolerus palustris √RCLP. 1♂ in marsh. Also small black sp. with white legs. = Pontania bella ♀? RCLP.
Ichneumonidae: about 10 spp.

Very good ground for mid & late summer.

Menyanthes in flower in marsh!
[Birds foot-trefoil in flower on The Island, Malahide, Co. Dublin on 17th May 1928]

18th (Friday) May 1928. A fine day after a showery night but with strong E–NE wind & no real sun till after 2 pm. Hawthorn, possibly just broken, not nearly out!
Valley of the Rye Water, Leixlip, Co. KD. just above canal aqueduct. With E. O'M.!

Bombus muscorum ♀♀ frequent. B. agrorum ♀♀.
B. terrestris 2♀♀, B. lucorum 1♀, B. lapidarius 2♀♀.
Andrena jacobi & A. albicans ♂♂ & ♀♀.
Halictus rubicundus, albipes & freygessneri ♀♀.
Sphecodes divisus 1♀.
Nomada marshamella, goodeniana & bifida.
Odynerus pictus 1♂. First seen 1928.
Dolerus haematodes 1♂ √RCLP.
Dolerus nigratus ♂♂ √RCLP. & ♀♀. Dolerus picipes √RCLP. 1♂.
D. palustris 3 ♂♂ ~~[illegible]~~ one very aberrant, with rufous abdomen like D. trimaculatus. √RCLP.
Rhogogaster aucupariae 1♀ √RCLP. (E.O'M.).
Selandria ~~[illegible]~~ flavens 4♂♂ 1♀. √RCLP.

Labelled
Rye Water,
Co. ~~W~~ KD. AWS!
18.5.28

(three of the ♂♂ very dark var. says RCLP.!). Pachynematus clitellatus, ♀ √RCLP.

Blennocampa tenuicornis 2♀♀ √RCLP. Also a ♂? (E.O'M.) same species, about which RCLP. in list dated 7.12.1928 says, "One ♂ aberrant, small 10th supernumerary antennal joint on one side, tegulae black as in typical tenuicornis, whereas all I have seen have these pale as in the ♀ = var. humeralis Voll. (= alchemillae Cam.)"

"Pimpla sagax Htg." ♂ fide A. Roman, No. 63!

Wall Brown } Butterflies.
Small Copper }
Red Clover in flower.

20th May 1928. A sunny day, with strong cold NE wind.
Devils' Glen, Co. Wi.

A few Bombi, Andrenae, Halicti &c. of no importance.

Halictus freygessneri ♀

Rhogogaster aucupariae √RCLP. ♂♂ abundant on Comfrey & Jack-by-the Hedge at upper lodge in glen.

Pachyprotasis rapae √RCLP? ♂.

Emphytus carpini ♂. √RCLP.

Pontania sp. ♂. RCLP.

Ichneumonidae &:

Large black & yellow banded ♀, with white band on antennae seen at upper part of glen. Also ich. seen on big log in river at upper lodge. Neither captured!

Pimpla brevicornis, small ♀?

24th May 1928. Afternoon. A most splendid day, all sunny & genial for the first time since Easter.
Deerpark, Powerscourt, Co. Wi.

Bombus hortorum ♀ seen. B. lucorum, B. agrorum ♀♀.

Andrena cineraria fresh ♂ at chestnut bank just inside gate.

Halicti & Nomada seen.

Dolerus bimaculatus & gessneri ♂♂ & ♀♀ at usual marshes: ♂♂ abundant: ♀♀ rarer.

D. aeneus √RCLP. ♂

Loderus vestigialis ♂♂ √RCLP.

Monophadnus pallescens ♀ √RCLP. —

[Collected by A A Lisney.
Scolioneura betuleti ♂ (√RCLP.) Aughrim Wood, Wi. AAL. 25.5.28.
Selandria serva √RCLP. ♀ Aughrim. 27.5.28. Abia candens √RCLP. ♀ Waterloo Bridge Glen of Imaal, Wi. AAL. 28.5.28.]

27th May 1928. Went to Clara, W1, to get more Arge metallica, where 1st British specimen was taken by me on 22.5.27, but it rained all day & so nothing doing. Saw one ♀ Tom. luteiventris clinging to a rush & took some parasitized aphides off
(hatched 30th & 31st May := Aphidius, ervi? Hal.)
leaves of Bramble on road above Clara (S. of –) bridge.

29th May 1928. A perfect day: hot sun all day long as also was 28th inst. (Hill S.O.W.)

Returned to Clara, W1, but could not see a trace of Arge metallica! The following seen.

Many bees on sand-flat but nothing new seen.

Andrena fucata ♂♂ & ♀ seen for first time.

Dolerus aeneus ♂. √RCLP. D. niger ♀ √RCLP.

Ischnocerus filicornis 2♀♀ at fallen pine ½ mile below sand flat.

Xylonomus filicornis ♂♂ & ♀♀ common at dead bored tree (? Holly bored by R. tardyi) below sand-flat.

Ephialtes tuberculatus 1♂ flying over Vaccinium in wood near Clara Bridge near where left motor at top of last hill.

Pimpla instigator. a very large ♀ at rotten fallen tree ~~near the~~ below sand flat.

[illegible] lady at [illegible] [illegible] Rugged Rd. [illegible]

31st May 1928 afternoon. A fine sunny afternoon, spoiled by very strong cool N.E. wind!

Bohernabreena (Lower Glenasmole) marshes on flat-bank of river above Mrs Doyle's & count &c:

Very few Bombus seen & all either agrorum ♀♀ or jonellus ♀♀ (no lucorum seen at all!).

Dolerus bimaculatus √RCLP. 1♀ in usual marsh below count with deformed wings: swept off rushes &c:

D. picipes, 1♀ √RCLP. D. [illegible] √RCLP. D. nigratus 1♀ √RCLP.

Vespa rufa ♀

RCLP.

longicornis ♀. RCLP.

flowers of hawthorn.

llows

L. Keogh. 2/6/28.

Bombus agrorum ♀♀. B. lucorum ♀

B. muscorum ♀. Andrena fucata ♂

Halictus rubicundus ♀. H. calceatus?

H. ♂ ?

Crabro chrysostomus ?

C. tibialis ♂

Pemphredon ?

Vespa rufa ♀.

Tenth. livida ♂. All. [illegible]

Sel. serva. Rhog. [illegible]

All. calceata ? (Ballinteer)

Dolerus palustris ♂?

D. ?. D. ?. Ballinteer

BELFAST

Naturalists' Field Club

SIXTY-SIXTH YEAR.
1928–1929.

PRESIDENT:
D. J. CARPENTER, A.R.C.Sc. (Lond.)

SECOND FIELD EXCURSION

Saturday, 2nd June, 1928,

TO PORTMORE DISTRICT.

Conductors:—THE GENERAL AND SECTIONAL SECRETARIES.

This excursion will take the form of a preliminary inspection of Portmore and district, an area selected by the Committee as suitable for a regional survey. All members can render assistance in the work, which will embrace the various branches of the club's activities. An outline of the scheme will be given at the excursion.

The area has the following boundaries:—

North—Glenavy River, from mouth to Leap Bridge.
East—Road from Leap Bridge to Lower Ballinderry.
South—Road from Lower Ballinderry to Gawleys Gate.
West—Shore of Lough Neagh from Gawleys Gate to mouth of Glenavy River.

TIME TABLE—

Motors leave Museum, College Sq. North, at 10-0 a.m.
Arrive Gawleys Gate about 11-0 a.m.
Leave Tunny Bridge for Glenavy River at 2-0 p.m.
Leave Glenavy River for Lower Ballinderry at 4-45 p.m.
Tea at Lower Ballinderry School at 5-0 p.m.
Leave for Belfast at 8-0 p.m.

Members and friends provide their own lunch.

Cost of Excursion (including tea)—
Members, 7/6; Non-members, 8/6;
Members using own cars, 3/-.

Please send applications for places to Mr. E. N. Carrothers, 145 Stranmillis Road, Belfast, on or before Tuesday, 29th May, 1928.

E. N. CARROTHERS } Hon.
ARTHUR E. MUSKETT } Secretaries.

Perithous ♂ (Ballinderry)
Chloromyia [illegible] ? ? ([illegible])

L. Neagh. 2/6/28.

Bombus agrorum ♀♀. B. lucorum ♀

B. muscorum ♀. Andrena fucata ♂

Halictus rubicundus ♀. H. calceatus ♀

H. sp. ?

Crabro chrysostomus ?

P. tibialis ♂

Pemphredon ?

Vespa rufa ♀.

Tenth. livida ♂ All. lineolata

Sel. serva. Rhog. aucupariae

All. calceatus ? (Ballinderry)

Dolerus palustris ♀ ?

D. sp. D. sp. Ballinderry

27th May 1928. Went to Clara, Wi, to get more Arge metallica, where 1st British specimen was taken by me on 22. 5. 27, but it rained all day & so nothing doing. Saw one ♀ Tom. luteiventris clinging to a rush & took some parasitized aphides off leaves of Bramble on road above Clara (S. of.) Bridge.
(Hatched 30th & 31st May: = Aphidius, [illegible])

29th May 1928. A perfect day: hot sun all day long as also was 28th inst. (Hill E. Oh.)
Returned to Clara, Wi, but could not see a trace of Arge metallica! The following seen.
Many bees on sand-flat but nothing new seen.
Andrena fucata ♂♂ & ♀ seen for first time.
Dolerus aeneus ♂. √RCLP. D. niger ♀ √RCLP.

Ischnoceros filicornis 2♀♀ at fallen pine ½ mile below sand flat.
Xylonomus filicornis ♂♂ & ♀♀ common at dead bored tree (? Holly bored by R. bordyi) below sand-flat.
Ephialtes tuberculatus 1♂ flying over Vaccinium in wood near Clara Bridge near where left motor at top of last hill.
Pimpla instigator. a very large ♀ at rotten fallen tree ~~near the~~ below sand flat.

Pamlia Kirbyi at Newcastle. also Ragged Robin [illegible] Stalia. Iris. [illegible]

31st May 1928. afternoon. A fine sunny afternoon, spoiled by very strong cool N.E. wind!
Bohernabreena (Lower Glenasmole): marshes on wet-bank of river above Mrs Dagley's cottage:
Very few Bombus seen & all either agrorum ♀♀ or jonellus ☿☿ (no lucorum seen at all!).
Dolerus bimaculatus √RCLP 1♀ in usual marsh below cottage with deformed wings: swept off rushes &:
D. picipes, 1♀. √RCLP D. haematodes √RCLP 2♂♂. D. nigratus √RCLP 1♀.
Pachyprotasis rapae ♂ √RCLP.
Vespa rufa ♀
Loderus vestigialis ♂♂ & 1♀ √RCLP.
Empria immersa √RCLP 1♂ Empria longicornis ♀. RCLP.

Athalia lineolata seen.
Arge ustulata ♂ taken on flowers of hawthorn.
Ichneumonidae &:
Ischnoceros filicornis 2♀♀ at willows
Pimpla "robusta" ♀?
Cratichneumon ♂♂

Bred Ichneumonid from galls

[illegible]
Many infested Aphids on Rose "Lancaster" [illegible] Aphidius [illegible] later many Hyperaspis? [illegible]

2nd June 1928. A completely sunny day: very hot: but with keen very strong easterly wind. Too windy to work the open marsh country which I specially wanted.
Shore of L. Neagh &c. from Gartley's Gate to Selshan Harbour (1), thence roadside to Ballinderry ② & lane down to Portmore House ruins ③.
With B.N.F.C. who propose to make a regional survey of the district from Gartley's Gate to Glenavy River & Ballinderry Lower!

All taken at (1) unless otherwise stated! A.W.S.

Bombus lucorum ☿☿, a few. B. agrorum ♀♀. B. muscorum 1♀
Andrena fucata ♂♂. Halictus rubicundus 1♀ on Dandelion.
Halictus calceatus 1♀.
Pemphredon schuckardi ♂♂. P. lugubris ♂; ♀ seen.
Crabro chrysostomus ♂♂. C. tibiale 1♂.
Vespa rufa ☿ (first ☿ for 1928).

Dolerus pratensis ✓RCLP 1 ♂; Dolerus palustris ✓RCLP 1♂ D. aeneus (✓RCLP) ♂ at 2.
Dolerus aeneus (✓RCLP) ♀ Loderus vestigialis ✓RCLP at 3 (♂.)
Selandria serva ✓RCLP ♂ Athalia lineolata ✓RCLP ♂ at 1 & 3.
Selandria morio ✓RCLP ♀ in Seshan Harbour marsh.
Ametastegia equiseti ✓RCLP ♂ at 3.
Rhogogaster aucuparia ✓RCLP ♀ on hawthorn leaves at 1

2.6.28 cont.

Ichneumonidae &c:
Alomyia debellator ♂ at 3
Perithous mediator ♂ at 3.
Pimpla maculator ♀ at 1

3rd June 1928. Another fine sunny day but again spoiled by strong E. wind.
Glen of Imaal at (1), Davidstown Bridge;
(2) Ballyhubbock Bridge (above & below same); and
(3) George's Bridge, over Slaney, Co. Wi.
Bombus agrorum a few ♀♀ only. B. lucorum 1 ♀? also.
Andrena fucata ♂♂ & ♀ seen. Many bees seen at sand slip above Ballyhubbock Bridge. Andrena cineraria ♂ near Water-loo Br.
Gorytes mystaceus, above 2, ♀.
Odynerus parietinus ♀, above 2.
Crabro vagus ♂, above 2.
Vespa rufa ♀ seen

Tenthredo arcuata seen for first time, at 2 & 3
Tenthredella mesomelas " " " , " "
T. (livida or colon ♂) seen on Burdock above 2.
Pachyprotasis rapae , above 2.
Selandria serva seen at 1, 2 & 3. S. morio √RCLP. above 2.
Empria liturata √RCLP. ♂ above 2.
~~Allantus~~ Empria klugi √RCLP. ♀ on grass at tea place below 3.
E. vestigialis √RCLP. ♂ below 3.
Dolerus bimaculatus √RCLP. ♂, others seen, at 1.
" germanicus √RCLP. 2♀♀ (? where taken — 1 or 2?).

Enslin says of claws "zweispaltig, der innere Zahn etwas kurzer", but yours is rather → i.e. much shorter! R.C.L.P. in list dated 7.3.29.

3.6.28. cont. Glen of Imaal cont.
Dolerus haematodes ♀ at 3. Also 1 ♂.
D. niger √RCLP. ~~[illegible]~~ ♀ at 1 or 2.
D. oblongus ♂ var. (at ? where). Perkins, in list dated 7.3.1929, says "Very aberrant! Head too wide behind eyes; vertical area too distinct; mesonotum too well punctured towards tegulae, as compared with my idea of ordinary oblongus!
Tenthredopsis ♂♂ about burdock &c. above 2.
T. inornata ♀ taken in field, on grass, above 2 & kept alive for Miss Scott.

Alomyia debellator ♂♂ amongst ~~[illegible]~~ Iris above 2.
Pimpla maculator ♀ on burdock above 2.
Mesoleptus spp. at 1, 2 & 3.
[illegible]

[illegible]
[illegible] anceps ♂

[Vespa norvegica ♀ taken in garden at Mayfield. ? was it descended from ♀ brought from L. Bray in 1927]

7th June 1928 (afternoon). A warm day with no sun in aft.
Deerpark, Powerscourt, Wi. 3.30 till 5.30 pm.
Dolerus gessneri ~~√RCLP.~~? ♂♂ & ♀?, D. bimaculatus ♂♂ & ♀♀
Loderus vestigialis √RCLP. var. ♀. A few each seen on rushes.
Vespa rufa ♀ seen.
Lissonota maculata large ♀ at log
Ischnoceros filicornis ♀ at log near saw mill: another seen!
[illegible] at log
[illegible]

Very few flying insects out as rain threatened; but Coleoptera very abundant

10th June 1928. A windy, strong W. wind, & a good deal of sun, but cool & following a very warm sticky week & therefore nothing out or only a few things out.
Rathdrum & at back of river to Avondale bridge as usual!

Bombus agrorum a few ♀♀. B. lucorum 1 ☿ seen.
Andrena fucata ♂♂ seen. A. wilkella ♂♂ & ♀♀ seen.
A. saundersella ♂
Halictus nitidiusculus ♀ examined!
Nomada ruficornis ♀.
Sphecodes divisus ♀? on Cow Parsnip.
Gorytes mystaceus ♂
Crabro dimidiatus ♂♂ abundant; 1 ♀.
C. leucostoma seen.
Vespa 1 ♀ & 1 ☿ seen (? rufa)
Pompilus spissus ♀ at stump below Avondale footbridge.
Agenia variegata ♂ at stump where old track crosses ry. S. of tunnel.

Tenthredopsis ♂♂ frequent; 1 toffee-coloured ♀ (inornata?) on leaves of Cow Parsnip on ry. at N. end of viaduct.
Rhogogaster aucupariae √RCLP. ♀ on Cow Parsnip in Carex marsh.
Pachyprotasis rapae at station path.

Cont.

10.6.28 cont. Rathdrum cont.

Selandria serva.

Athalia lineolata.

Tenthredella mesomela common. (no T. livida seen!)

Tenthredo arcuata frequent.

Ichneumon pilicornis 2♀♀ on stump by river below Avondale foot-bridge

Lissonota maculata 6♀♀ on great stump at west end of Avondale foot-bridge — 3 taken first there; 3 more half an hour later in exactly the same spot; both sets taken during dull spells & they did not attempt to fly. No sign of males, though ? male & 1 female taken in same place on 7.7.27.

13 or 20 [illegible] ♀♀ of Ichneumon [illegible]

15th June 1928. A windy day (NW) with heavy showers & sunny intervals. Labelled "Boyne Aqdt."

Drove Miss Pounden to Rathmurray House, Hill of Down on the Boyne in Co. Meath (H.22) & had an hour's collecting near Moy Valley, close to where R. Canal & Ry. cross Boyne; but showers spoiled the collecting & only Bombus agrorum ♀♀ seen & a few ichs. collected.

Aspilota fuliginosa 1♀, det. ABS 10/11/32.

17th June 1928. A cold sunless day, with strong W. winds & threatening rain.

Devil's Glen, Co. Wi.

Bombus agrorum ♀♀. B. jonellus 1♀ cutting holes in bases of Comfrey flowers; B. hortorum 1♀ seen.

Athalia lineolata & Tenthredella livida ♀♀ (one all black) seen.

Tomostethus dubius var. micans. VRCLP. Taken on grass near upper lodge!

[illegible]

[illegible]

[illegible]

[illegible]

[illegible] (Phyllotoma (? nemorata) in mines on birch leaves [illegible]; Pteronidea melanaspis (larvae like young [illegible]) [illegible] ? green with brown head; Periclista (? albida = melanocephala). green with black spines, on oak)

[illegible]

Deerpark, Powerscourt, Co. Wi.

19th June 1928. afternoon: thunder & heavy rain after a fine ~~ff~~ morning: nothing seen but a couple of sawflies (taken by Lisney); some sawfly larvae on oak (Lisney) sent to Perkins & a couple of ichs.

Dolerus gessneri ♀. Loderus vestigialis ✓RCLP. ♀

Tomostethus luteiventris ♀

Dark form of beetle (♀) Campylus linearis on log near saw mill

Larvae of sawfly Periclista (?albida) on oak sent to RCLP.

20th June 1928. all day: Went back to Deerpark, Powerscourt, Co. Wi, with O'Mahony! a morning was gloriously fine, but by 11 AM wind had turned from W to E & a "jam" formed & so no sun after that till 4.15 pm. By which time insects were tired & had gone to bed. Very little out, except a few beetles. Dolerus bimaculatus both sexes still abundant on Equisetum palustre on left bank of river opposite saw mill. Here swept one larvae (given to Miss Scott).

Dolerus palustris ♂ (RCLP.) in marsh near road below saw mill!

Dolerus aeneus ♂♂ ✓RCLP.

Beetles Campylus linearis 1♀ type: 1♀ dark form at same log as before.

Glypta "similis" ♂.

20/6/28 cont. Deerpark, Powerscourt, cont.

~~Polysphincta~~ Colpomeria quadrisculpta Grav. ♀ near "big oak" logs. (! AWS. 30/10/28.)

Ischnoceros filicornis several ♂♂ & ♀ at big oak logs & long fir logs near saw mill.

Ischnoceros seticornis ~~Xylonomus~~ [illegible] —— ♂, near "big oak" logs, at stump

[illegible] Protichneumon.

Cratichneumon ♂♂ flying over bracken.

[illegible] on log with Campylus (Xylophagus ater ?) new to Ireland.

[Acroltaptica dentifer? AWS. 11/3/33. See also 4/9/1932. ♀ taken on wind screen of motor, about, Dundrum Co. Du.]

23.6.28. A fine morning & a fine evening though stormy but midday spoilt by passing secondary depression which covered entire period of our stay on Lug. Glen of Imaal at Ballinaddin, 900 ft. alt. & Lugnaquilla, 3039 ft. alt., Co. Wi.

[illegible] taken by Lisney on top at 2,200 ft [illegible]

Many sawflies seen & some captured about Ballinaddin: in fields, along ditches & round willows (S. aurita) in shelter.

Pachyprotasis rapae ♂. Rhogogaster viridis ? seen. (bred by RCLP. & con. March 1929)

Tenthredopsis ♂♂ & ♀ seen. Larva of Amauronematus histrio ♀♀! on Salix aurita sent to RCLP. (AAL & AMG.)

Selandria flavens ♂ ✓RCLP by Ballinaddin brook behind ruined farmstead.

[S. stramineipes ♀. Found in motor on return home!]

[illegible] on willow below B.

Mesochorus [illegible] taken by Lisney in field below B.

Others taken by [illegible]

24th June 1928. A fine day, but almost quite without sun there [illegible]. (With A.M. Gwynne & A.A. Lisney.)
Glenmacnass, Co. Wi. just below the fall.
Bombus agrorum ♀♀ & B. lucorum ☿☿ (? ♀) seen but very few.
Andrena subopaca ♀ seen.
Sphecodes affinis ♀ on Tormentil.
Nysson spinosus taken by Gwynn.
Cratica palmipes 2 ♂♂.
Tenthredella mesomelas ♂♂ + ♀♀ in field. T. livida 2 ♀♀.
(one black: one typical taken by Lisney in gully at 600-700 ft. alt.
T. balteata √RCLP ♂ taken by M.D.S. on Rosa tomentosa.
Rhogogaster viridis ♂♂ + ♀♀ common. Pachyprotasis antennata √RCLP 2 ♂♂
Strongylogaster delicatulus seen on ferns.
small hairy head? all glabrous heads
Tenthredopsis ♂♂, & all brown & black + red ♀♀
Larva of Amauronematus Kirbiae or fallax sent to R.C.L.P. from Salix aurita (AMG)
? flavescens (fide Benson 1934).
Pteronidea sp.? ♂: possibly flavescens R.C.L.P. in litt. dated 12/3/29!
Dolerus aeneus √RCLP 2♂♂ ♂ & ♀ 1♀ [nice ground for Dolerus at end of May!]
D. picipes √RCLP 1♂
[illegible]. Oenone hians 1ex.
[illegible] aff. Salicis [illegible]

29th June '28. A dull morning, with sun & heavy showers after 3pm.
Took the Palmers to Arklow. Called a Macpherson Co. Wi. between 11-30 & 12-30. Noon but cold & dull.
Selandria (? temporalis) seen on bracken at foot of lane
Tenthredo arcuata also seen.
4 spp. of ichns & 1 chalcid taken at same place.

Bombus agrorum 1 ♀ seen. B. muscorum 1 con[illegible] ♀ seen.

Spent afternoon on dunes at Kynochs, Arklow.
Bombus lapidarius 1 ♀ seen.
Protichneumon fusorius ♂ taken amongst bent.

1st July 1928. A wild, stormy, day with almost continuous rain & never any sun.
Drove to Slane, Co ME. & walked up Boyne valley to Beaupare. Very nice ground along river for sawflies & at Beaupark for other things if weather was fine.
Workers of B. lucorum, B. agrorum & a Vespa seen on Snowberry bushes at Beaupare.

3rd July 1928. A very fine day: no wind, much ~~[illegible]~~ sun & only two slight showers.

Drove to Glen of Imaal & ascended Lugnaquillia from Ballineddan, Co. Wi. Many insects out about Ballineddan but spent all available time on cliffs of North Prison looking for plants, & saw three tufts of Parsley Fern discovered by J. A. J. Palmer on 23rd June last. These grow on a great square block of mica-schist in the bottom of the upper corry a little above NE corner of "tarn" (now empty!). The three plants grow in one crack on the S. face of the rock.

Tenthredopsis [illegible] ♂♂ flying over bracken at Coan.
Selandria serva √R.C.L.P. ♀ " " rushes " "
Lissonota [illegible] ♂ ? [illegible]

Larvae of sawfly taken in N. Prison at ca. 2,000 ft. on Lastrea dilatata sent to R.C.L.P. Probably Thrinax mixta says RCLP.

9th July 1928. Dull misty rain, very warm, after a fine morning.

Upper Glenasmole, by the Slade Brook, Co. Dub. 11 AM till 2 PM.

Andrena tarsata abundant ♂♂, 1♀. A great colony discovered in sandy scarp of old river channel at ca. 700 ft.
A. fucata 1♀ faded.
Halictus leucopus 1♀ seen.
Bombus agrorum & lucorum ♀♀.
Crabro varius ♂, 2♀♀ & C. dimidiatus 1♀ with A. tarsata
Dolerus aeneus ♀ √RCLP.
~~Th~~ Tenthredella balteata √RCLP. ♂♂ & ♀♀ on birch by stream.
Rhogogaster viridis ♂♂ & ♀♀
Pachyprotasis antennata √RCLP. ♀ on birch
Tenthredopsis [illegible] ♀ on bracken
Many larvae beaten off willows by A. A. Lisney sent to R.C.L. Perkins. Also one off Vaccinium.
Pteronidea curtispina, larva. See RCLP. in litt. 15.XI.28.
Amauronematus histrio ♀♀, bred by R.C.L.P.: em. March 1929.

[illegible]

Chasmon anceps ♂ (spider's web: alive!)

11th July 1928. A very hot (moist) day, with a great deal of sun; but a hot soft wind (almost a gale).
Drove to Arklow, via Rathdrum, Co. Wi, where I picked up Palmer & took him & Lissy on to Kilgorman, Co. Wx, to see & photo. upright form of Convolvulus soldanella.
Spent 2 hours Right bank of Avonmore at Avondale Footbridge, Rathdrum, Wi. between 11 AM & 1 PM. Here I saw.
Bombus lapidarius 1 ♀ B. agrorum ☿☿ a few.
Andrena fucata 1 ♀ worn. A. coitana ♂♂ & ♀♀.
A. minutula 2nd brood, ♀♀ seen?
Halictus albipes or freygessneri ♀♀ seen. H. rubicundus ♀
H. leucopus ♀ seen.
Sphecodes ♀ on stump below bridge.
Nomada ruficornis ♀.
Vespa vulgaris ☿☿ common
Odynerus 3-fasciatus ♀, nesting in hole in post at bridge gate.
Megachile willughbiella 1 very fresh ♀ on foot bridge: intermediate var.
Selandria stramineipes ♀ v RCLP.
Sirex gigas, small ♀ flying round stump.

Ischnoceros filicornis large ♀ on elder trunk at bridge.
Cryptid ♀ on large stump at bridge.

Rathdrum cont. 11.7.28.
Crabro capitosus 2 ♀♀ & others, seen nesting in pith of broken elder bush stems at gate on to footbridge.
C. 4-maculatus. many, small ♂♂, mostly black, on elder trunk &c. at footbridge.
C. varius at stumps & round trunks.

Nothing seen at Kilgorman worth noting: too windy!
but a bug & one specimen of Aphidius [illegible]? swept off Salix repens.

15th July 1928. A very hot day, with little wind & much hot sun: turning to misty rain at 4 pm.
Upper Glenasmole (from head of Up. Reservoir to 1200 ft. alt. on Slade Brook, Co. Dub.

Vespa norvegica ♂♂☿ seen V. sylvestris (?) seen.
Bombus lucorum 1 old ♀, many ☿☿.
" agrorum ☿☿. B. muscorum 1 old ♀.
" jonellus 1 old ♀, many ☿☿.
Psithyrus ♂
Andrena coitana & tarsata ♂♂ & ♀♀ (tarsata ♀♀ on Pot. tormentilla)
A. fucata 1♀. A. subopaca ? ♀♀ seen.

Halictus rubicundus ♀♀ common. Also ♀♀ of small spp.
Sphecodes affinis: ♀♀.
Nomada obtusifrons ♀♀. N. flavoguttata ♀♀.
Crabro dimidiatus ♀♀ seen; C. varius seen.
Odynerus pictus ♂ seen.
Leptothorax acervorum ☿☿ at A. tarsata colony.

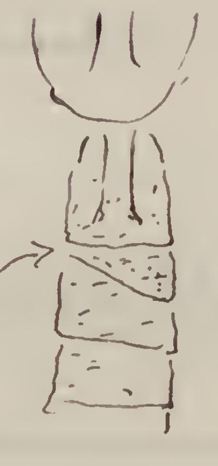
Tenthredella balteata ♂♂ & ♀♀ common, mostly at birch.

15.7.28. Upper Glenasmole cont.
Pimpla maculator? ♂ & ♀, small & dark: [illegible]
Glypta ceratites (?) ♂, with rather polished abdomen & shining apices of segments.
Lissonota cylindrator (?) ♂. Lissonota errabunda (?) ♂.
2 large black ♂♂ & 1 red & black [illegible] 2 ♂♂ at about 1400 ft.
[illegible] cinctulus ♀ [illegible] Kenmare, Sept. 1930, [illegible] taken on this date! AWS 1932.

Later: this ♂ must belong to Haliday's large var. of affinis, or what Nixon proposes to call Dacnusa erbelta! A.W.S. 12.10.1936.
Gyrocampa foveola 1♂ & 1♀; the ♂ has quite smooth 2nd abd. segment! (!AWS & Nixon) 1932.

16.7.28. A hot sunny day with keen NE wind (at Arklow).
Down to Arklow to bring back the Palmers & walked across S. Strand & Arklow Head to Askintinny with Palmer who showed me his station for Asplenium lanceolatum in the old quarry at N. side of Arklow Head just where S. strand ends. Very few insects out, though blazing sun all the time.
Bombus terrestris 1♀ on S. strand. B. lucorum ☿☿ common (I doubt if I saw any B. agrorum at all!)
Hylaeus hyalinatus ♀♀ at Askintinny, investigating crevices in the rocks & entering holes in boulder clay near sea level.

16.7.28 Ashintimny, Co. Wi. cont.
Andrena subopaca ? ♀♀ on wild carrot &c.
Colletes picistigma mostly ♀♀ seen on Achillea millef. &c.
Halictus calceatus & rubicundus & villosulus ♀♀ seen
Sphecodes affinis (?) & S. divisus (?) ♀♀ seen.
Odynerus pictus seen.
Chrysis ignita seen.

Tenthredo arcuata seen.
Pimpla maculator ♂ freak with 2nd segment ↗  wedge shaped.
Lissonota bellator 2 ♀♀ on wild carrot.
Ichneumon sarcitorius ♀ seen.

Took a very fresh ♀ Megachile willughbiella in garden at Mayfield; & also Crabro clavipes on early morning of 15.7.28. Another willughbiella ♀ on 21.7.28.

[Lissonota femorata ♀? Templemore, NT. R.A.P. 13.7.28]

Very good ground along King's River

19.7.28. A warm day; with much sun after 3 pm.
Drove to Glanree, King's River Valley, Co. Wi. & ascended Glanree to L. Firrit, with J.S. Smith & Leighton (U.S.A.). No time for collecting insects but A.A. Lisney & A.M. Gorgon stayed in King's R. Valley & collected larvae of sawflies, sawflies & ichs.
Larvae sent to R.C.L.P. "Pteronidea ferruginea 2♀♀ hatched 23.9.28" RCLP
Also 1 larva of Pt. curtispina. See RCLP. in litt. 15.XI.28.
Athalia lugens ♂, Tenth. atra ♀. Both ✓ RCLP. taken by A.A.L.
& Lisney gave me about 10 spp. of ichs, including
Lissonota bellator ♂, L. cylindrator ♂, L. errabunda? ♀

22.7.28. A dull day with misty rain.
Drove with Brunker to Ballyknockan, Co. Wi. & walked great bog in valley & hillside (N.E. of) round Ballyknockan quarries for plants.
3 ♂♂ of Hemiteles ?? hunting about marshy edges of stream below Ballyknockan: more seen.
♂ Tryphonid (T. elongator?) taken on Angelica, which was just in flower.
Scabiosa succisa (a few flowers) just out.
Added Drosera anglica to Co. Wi. list & saw plenty of Andromeda, V. oxycoccus, Rhynchospora alba, Myrtle & Brunker got Malaxis paludosa with Carl on hillside N. of quarries.

Dungarvan, WA, Trip.
July - Aug - 1928.

[25.7.28. Took ♀ Megachile versicolor v. hibernica & Glypta ceratites ♂ in garden at Mayfield, Dun. in afternoon.]

26.7.28. Drove from Dublin to Dungarvan. Stopped for lunch at very good looking sand pit on Carlow - Bagenalstown road about 1½ miles N. of latter; but saw nothing except a ♀ Lissonota bellator & one or two Bombus agrorum & lucorum ☿☿.
Stopped for tea near Lemybrien, WA but saw nothing except 1 ♀ (worn) Bombus derhamellus.
Stopped at Garranbaun overlooking Dungarvan Bay about 5 P.M. & saw another ♀ B. derhamellus & a very few ☿☿ of B. lucorum. 1 ♀ A. coitana. Tenthredo arcuata ♀♀ & a few spp. of ichs.

A dull day with misty rain most of the way till near Dungarvan. Then sunny & very warm.

27th July 1928. Morning. Very warm but no sun. Worked valley at Ballyvoyle between road & railway viaducts.

Bombus hortorum ☿ (?) on Meadow Sweet flowers.
Bombus agrorum & lucorum ☿☿.
Colletes [illegible] ✓RCLP ♀♀ on Angelica & Wild Carrot.
Hylaeus {confusus / hyalinatus} one ♀ of each ~~[illegible]~~ on Wild Carrot.
Andrena coitana ♀♀ seen on Angelica
A. saundersella small ♀♀ on Wild Carrot.
No Halicti seen!

Athalia lineolata many seen.
Tenthredo arcuata many seen.
Nematinus luridus ♂ (✓RCLP.) on ash.
About a dozen spp. of ichs on Wild Carrot, Angelica & amongst oak scrub on steep bank between bridges.
Banchus ~~monileatus~~ volutatorius ♀ Roman No. 116. 1 amongst bracken.
Lissonota errabunda? ♂.
Glypta mensurator? ♀
Ichneumon sarcitorius ♂. Melanichneumon perscrutator ♀?

27.7.28. Afternoon. Spent aft. at Cappagh, WA.
Saw Bombus hortorum ☿, agrorum ☿☿, lucorum ☿☿.
Also 1♀ ? Odynerus parietinus ab Cappagh House.
2 ♀♀ Lissonota at stump by the camp. {1♀ each {Lissonota femorata? L. palpalis?

28.7.28. A fine day with some showers in afternoon.
Spent most of it in driving camp party & doing messages &c. Caught a few spp. at Camp ground at Cappagh.
Took ~~[illegible]~~ in attitude of cop. in hayfield ♂ & ♀ Parasacodrus apterogynus Hal. Braconid:- Alloea contracta, ♀?, with short wings!
Crabro varius at stump.
Pteronidea myosotidis ♂ var.?? R.C.L.P. in litt. dated 12.3.29.

29.7.28. A fine sunny day with NW wind & small showers.
Quarry near camp at Cappagh, Co. WA. 10 to 11 AM.
Halictus rubicundus ♂♂ & ♀♀. Bombus agrorum, lucorum & Bs. distinctus ♀ seen.
H. tumulorum ♀♀.
Tele 3♀♀ on limestone
Curious ich. ♀ at same place: which in 1930 I discovered was the Braconid ant-parasite Paxylomma buccata Bréb. (see Donisthorpe & Wilkinson, Trans. Ent. Soc. June 30, 1930! A.W.S.

29.7.28. 12 noon till 3-30 PM.
Glenmore (tributary valley on left bank of R. Blackwater) above Lismore, Co. WA. With A.A. Lismay.
Bombus agrorum, lucorum (1♂1♀)☿, hortorum ☿☿.
Psithyrus barbutellus (♀?) seen.
Andrena fucata ~~[illegible]~~ 1♀ quite fresh. A. coitana ♀.
A. denticulata 1♀ (?) seen at ragweed.
Odynerus (? 3-fasciatus ♂) seen on cut timber.
Vespa vulgaris ☿☿ abundant.
V. austriaca 1♂.
Crabro varius ♂♂. C. vagus 1♀ dead in spider web.
Mellinus arvensis ♂♂ & ♀♀ seen.
Salius notatulus? ~~exaltatus~~ ♀. Pompilus nigerrimus ♂.

Tenthredo arcuata & Athalia lineolata abundant.
Tenthredella livida 1♀, black (AAL).
Larvae taken by AAL. sent to R.C.L.P.

Schizoloma amicta ♂♂. Hoplismenus maurus (Marshall). ♂♂ on brambles near road!
Lissonota bellator ♀ with red base to antennae! Lampronota ♂

30th & 31st July 1928. Dull or wet & cold nearly all the time & nothing taken.

1st August 1928. Very hot sunny day!
Collected in fields about Ballinaclemmaragh cross, near Cappagh, WA for about an hour at midday in very hot sun.
[Bombus lapidarius 1 ☿ seen near the camp at Cappagh in the morning].
B. agrorum, lucorum & hortorum ☿☿
Andrena coitana ♀♀ frequent. A. denticulata 1♂ on Carduus arvensis
A. fucata (quite fresh ♀ on Rubus.
Tenthredo arcuata common!
Cladius pectinicornis 1♂. ✓RCLP.

Glypta ceratites 3♂♂. Pimpla detrita ♂.
Phytodietus coryphaeus? ♂

2nd August 1928. Another glorious hot sunny day.
Collected in "Rockfield", by the Finisk, near Cappagh, WA, for about an hour at midday
Priophorus padi var. ♂ ✓RCLP.
Emphytus pallipes ♀ ✓RCLP.
Phyllotoma vagans ♀ ✓RCLP.
Ichn. Lissonota bellator ♂♀. Glypta [illegible] ♂♂.
Ophion luteus & about 10 other spp.

3rd August 1928. Same as 2nd inst.
Collected about Ballynamintragh cross, Cappagh, WA for about an hour at midday.
Andrena fucata 1♀, A. saundersella 1♀.
[Halictus villosulus 1♂ ✓ taken near Ballylemon Ho. in morning]
Ichn. Lissonota bellator ♂. Glypta flavolineata ♀. G. nemorator ♂ 1♀
& about 10 other spp.
Tryphon elongator ♀.

4th August 1928. Very hot & sunny all day. Collected about Cappagh House (1) & in Maghgiha Wood near Modelligo [illegible] in afternoon (2). WA. Latter an old oak wood mostly cut down but very good.

Purple Hairstreak butterfly common at 2.

Crabro cavifrons, 1 ♀ & C. leucostomus, 1 ♀ at stump at 1.

Crabro sp. small black sp. seen nesting in bored pith of Ash at 1
this ash stick subsequently brought home! but tunnel [illegible]

Andrena coitana ♂ & ♀♀ at 1   Halictus nitidiusculus ♂ (? where)

Selandria morio ♀ at 3. ✓ RCLP.

Ichn.. Saw but failed to catch a very large black Ephialtes (? manifestator) a very large Ephialtes! on old paling near well behind Cappagh P.O. where a few other ichs. taken.

Most ichs however taken in ~~Modelligo~~ Maghgiha wood & lane.

Glypta flavolineata ♀.

Mesoleius sepulchralis? 1 ♂ at 2 where its host Zaraea fasciata subsequently taken.

5th August (Sunday) 1928. A glorious day.
Drove to Coumshingaun & spent day in Comeragh, but had no time for collecting. Saw Bombus lucorum to 2,300 ft. & took 1 Braconid at 2,000 ft. & Dolerus aeneus ♂ at 1,500. ✓RCLP. Water beetles in pools at 2,300 ft. above coum.

6th August 1928. Misty rain & nothing doing. Spent day in Oonagalur & Ballynamintra caves.

7th August 1928. Heavy rain in morning but hot sun from 4 p.m. Collected for a few minutes below Cappagh House, WA, behind Cappagh P.O.

Crabro vagus 1   Psithyrus barbutellus ♂

Colletes montanus ♀ on Angelica   Vespa sylvestris ♀.

Ich. Monoism ♀ on paling

& about [illegible] spp.

8th August 1928. A warm day with much sun, 1 shower.
Collected about Kilgreany cave, ~~Cappagh~~ Whitechurch, WA, for ½ an hour at midday.

Colletes montanus 2 ♀♀ on Rubus. Megachile versicolor ♀ seen on Rubus.

Salius exaltatus ♀ on Wild Carrot.

Ichn. Pimpla instigator var intermedia [illegible] 2 ♂♂. Lissonota bellator ♂.

& about [illegible] other spp.

9th August 1928. Kilgrainy cave, near Cappagh, WA. Mostly dull & hot, some misty rain. Only collected for a few minutes about midday.
Andrena saundersella ♀. small ♀?
Exetastes guttatorius ♀. on wild carrot.

10th August 1928. A wet day, with driving rain from S & SE. almost all day, but very warm. Drove to Fermoy, EC., where visited Carrickabrick Castle & took Helicigona lapicida (2 on castle walls, in chinks; & one dead in crevice of cliff 200 yards ~~W~~ East of castle). Also Hy. lucida. Then drove on to Castle Lyons, where during a fine spell I took or saw in Mrs Bond's garden the following:
Bombus hortorum ☿☿ & ♂♂ common.
B. agrorum several ☿☿. No other spp. seen.
Andrena [illegible] 1♀ 2nd brood.
Ichs. Glypta bifoveolata ♂

[illegible] in motor near Lismore!

11th Aug. 1928. Driving rain from SE all day: nothing doing.

12th Aug. 1928. A fine fresh day, strong westerly wind, some showers & much sun.
Kilgrainy cave, WA [illegible].
Halictus calceatus ♂♂ first seen 1928.
Lasius flavus, winged ♀.
Ichs. Lissonota bellator ♂♂. L. errabunda? ♂.
Glypta ceratites ♀. Glypta flavolineata 2♀♀.

13th August 1928. A blustery day — westerly gale — with heavy showers & impossible to collect. In aft. drove to Ardmore, Whiting Bay, Ferry Point opposite Youghal, Youghal Bridge, Clashmore & home. All Co. WA. Took Staphylinid beetle at shore level in Whiting Bay & swept a ♂ Lissonota bellator at [illegible] near Ferry Pt. Saw a few Bombus agrorum & lucorum but nothing else.

14th August 1928. A fine morning with much hot sun but heavy showers from noon onward spoiled the afternoon.
Worked right (west) bank of R. Blackwater below Cappoquin for four miles below town, Co. WA.
1. Quarry on road by river opposite C. & S. of railway bridge at Cappoquin
2. Sandpit at Killahaly (opposite Dromana Ho. & N. of 3).
3. Oak wood (facing but S. of Dromana House) N. of Camphire.

Bombus lucorum ♂♂, ☿☿ & fresh ♀♀. B. agrorum ☿☿ & 1♀ fresh!?
B. hortorum ♂. Psithyrus barbutellus ♂ & ♀ seen.
Vespa austriaca 1♂. V. sylvestris & norvegica ♂♂ common.
V. vulgaris ☿☿ abundant on oaks at 3.
Halictus rubicundus ♂♂ & old ♀♀ (2&3). H. calceatus 1♂ ③
H. punctatissimus ♂♂ fresh ♀ ③. H. tumulorum 1 fresh ♀. ②
H. leucopus 1 ~~fresh~~ very old worn ♀ at 2.
Mellinus arvensis ♂♂ & ♀♀ very abundant at 2. Also at 3.
Crabro 4-maculatus ♂♂ & ♀♀ at 2. Crabro, black sp. seen at 3.
Salius exaltatus ♂♂ & ♀♀ at 1.
Myrmica ruginodis winged ♂♂ & ♀♀. Formica fusca.

Tenthredella ferruginea? ♀ at 3.

14.8.28 cont.
Ichn. Metopius micratorius ♂ on Angelica at 1.
Glypta evanescens ♀ at 3 (or? 1). Lissonota basalis ♂ at 1?.
Glypta pictipes ?? ♀ at 3. Schizopyga atra ♂ at 3.
= pictipes, varicoxa fide Roman No. 83.
Polysphincta pallipes? var. with red apex to scutellum. ♀.
Pimpla "robusta" ♂ at 3 (or 1?).

Macrocentrus ♂♂ & ♀♀ at 1.
Tryphon elongator at 1?.

15th August 1925. A cool day with N. wind & a good deal of sun.
Worked quarries on right bank of R. Blackwater ① (& field of Angelica (2 miles S.W.) ②)
below Cappoquin (1/2 mile!) in morning & open glades in wood
about two miles above Lismore, along R.
in afternoon. Then drove to The Gap, in Knockmealdown
& home. Much nice ground along river to the Gap
like floor of Glencree!
Morning Cappoquin &
[Bombus? ♂ sylvarum flew into motor on road to Cappagh
close to exit of road from Dungarvan to Clonmel!]

15.8.28 cont. Cappoquin & [illegible] cont

Bombus muscorum 1☿ & B. terrestris ♂♂ seen for first time during trip. Also B. lucorum many ♂♂, a few fresh ♀♀ & ☿☿, B. agrorum ☿☿, & B. ruderarius 1☿? seen at 1.

Vespa sylvestris ♂♂ & vulgaris ☿☿ at 1 & 2.

Andrena denticulata ♀ on Leontodon at 2. Andrena saundersella ♀

Megachile willughbiella 1 worn ♀ at stumps at 2. Var. hibernica

Sphecodes affinis? 1 fresh ♀ at 1 on Angelica or Carrot.

Colletes montanus √RCLP 2♀♀ on Angelica at 1.

Crabro cavifrons 1♂ on Angelica at 1. C. vagus ♀

Salius exaltatus ♀♀ at 1 & 2 on wild Carrot & Angelica

Andrena saundersella ♀. Halictus villosulus ♀.

Athalia lineolata & Tenthredo arcuata at 1 & 2, abundant.

Ichs. Banchus volutatorius ~~monileatus~~, ♀ on Angelica at 1.

Glypta "mensurator" v. with long terebra ♀ & ? ♂ at 1.

Glypta: another ♂ but not same species as last, though somewhat like it!

Acanthocryptus? ♀

marginator

Macrocentrus (abdominator) ♀ at 1.

15.8.'28 Afternoon. R. above Lismore.

Bombus hortorum ☿☿ & ♂♂. B. agrorum ☿☿. B. lucorum ♂♂ & ♀♀.

Psithyrus barbutellus ♂ & ♀. Andrena subopaca ♀

Pemphredon lugubris 1♀.

Crabro chrysostomus 1♂

Pompilus nigerrimus 1♀.

Arge coerulescens 1♂ flying over bracken &c.

Tenthredo arcuata & Ath. lineolata abundant.

Ichs.

Pimpla instigator ♂ & 1♂ var. intermedia. Polysphincta varipes? ♂♂ Phytodietus [illegible] ♀.

Dyspetes praerogator ♀.

16th August 1928. A dull day, with cool NW breeze. Drove to Glenmore, above Lismore, WA, with A.M. Guppy, & collected sawfly larvae on Salix cinerea & Alder, which sent to R.C.L. Perkins. Also took a small black sawfly, with whitish legs on grass in damp spot. Halictus villosulus ♀. Vespa rufa ☿ on Angelica. & some ichs. 10-30 till 1 pm.

Lissonota bellator ♂ Pimpla detrita? ♂.

Croesus varus larva.

Selandria cinereipes ♀ f. R.C.L.P.

"Pteronidea ferruginea ♀♀ hatched & found dead" by R.C.L.P. on 23 IX. 28!

16/8/28 cont. Afternoon. 1-30 till 5 pm.

1. Quarry by R. Blackwater below ry-bridge at Cappoquin, as before.

N. of Camphire

2. Oak wood above R. Blackwater (right bank) opposite Dromana.
3. Sedgy field, full of Angelica &c, by the Blackwater, at N. end of gorge opposite Dromana, below Killahaly wood.

Bombus lapidarius 2 ☿☿ seen at 1. B. muscorum 1 ☿ at 1

B. ruderarius 1 ♂ at 1. ♀'s as before

Psithyrus campestris 1 dark ♂ at 1.

All those labelled Cappoquin came from station 1; Camphire = 2 & Killahaly = 3

16-8-28. aft. cont.

Andrena subopaca 1 worn ♀ at 3.

Crabro IV-maculatus ♂♂ & ♀ at 2.

C. podagricus 1 ♀ on Angelica at 1.

Ichs.

Polysphincta pallipes ♀ at 2 on oak:- fide A. Roman, No. 73.

Cryptopimpla caligata. ♀ at 1

Lissonota basalis ♂♂ & ♀ at 1

Glypta ceratites ♂♂ & ♀ at 1. Glypta "incursator" ♂♂ & ♀♀?

v. with long ovipositor?

one

G. longicauda ♂♂ (? var. with short 2nd segment!). Pimpla (Troctocerus) elegans ♀

taken by A.M.G. at 2.

Pimpla examinator ♀ at 2. Pimpla detrita or robusta ♂? at 3.

[illegible]

volutatorius

Banchus moniliatus ♀ at 1 on Angelica.

Tryphon brachyacanthus ♀ at 2.

pygmaeus?

Macrocentrus ~~abdominalis~~ ♀♀ at 1

17th Aug. 1928. A very fine day with much sun after 11 AM & very little wind.

Morning. Maghgiha wood, Modelligo, near Cappagh, W.D. till 2 pm. Very good ground.

Bombus ruderarius ♂ & ☿: Formica fusca ♂ (flying).

Halictus calceatus ♂♂. ~~[illegible]~~ ~~[illegible] ♀.~~ Halictus freygessneri ♀.

Sphecodes hyalinatus ♂

Andrena coitana ♀♀ seen.

Crabro varius ♂♂ + ♀♀.

Mellinus arvensis ♂♂ + ♀♀.

Zaraea ~~[illegible]~~ fasciata ♀

Athalia lineolata & Tenthredo arcuata. ~~[illegible]~~ Cladius pectinicornis ♀ ✓ R.C.L.P.

Ichs. Automalus

~~[illegible]~~ Automalus albiguttatus? 2♀♀. Ichneumon sarcitorius ♀ seen.

Glypta ceratites ♂ + ♀. Glypta evanescens 2♂♂ + ♀.

Glypta "mensurator" ♀ ~~[illegible]~~ typical form!"

Pimpla turionellae ♂♂, P. rufata ♂. P. detrita ♂.

Lampronota caligata 4♂♂, 1♀.

Dyspetes praerogator. Schizoloma amicta ♂♂.

17/8/28 Afternoon. 3 till 5.30 PM.

Fields &c. along ridge W. of Helvick Head, Dungarvan, W.D.

Bombus lucorum, B. agrorum, B. muscorum ☿♂, B. lapidarius ☿♀

B. jonellus ☿♂ on heather, B. sylvarum nemorum ☿♂ on Scabiosa arvensis & Cent. nigra. Halictus calceatus ♂♂

Halictus villosulus ♀ seen. H. tumulorum, small ♂.

Chrysis ignita ♀.

Pristiphora pallidiventris, along top of cliffs!

Lissonota ~~[illegible]~~ = L. basalis ♂♂ Glypta mensurator ♀ & ? ♂.

Pimpla turionellae ♀. "Lissonota" cylindrator 3♂♂, but one has more strongly punctured 2nd segment!

Tryphon elongator.

18th August 1928. A dull morning, but turning fine with much sun after 12 noon: rather windy (54).
Stradbally cove & glen inland thereof till 4 pm. WA.
Margaritana margaritifera abundant in River Tay below Woodhouse
Bombus lucorum, B. agrorum, B. hortorum.
Psithyrus barbutellus seen
Vespa vulgaris ♀♀♂ & V. sylvestris ♂♂ & ♀♀ seen
Halictus albipes ♂, H. calceatus ♂. H. tumulorum 1♂ on ragwort,
H. smeathmanellus ♂♂ on old grave, opposite sand flat.
[H. rubicundus ♂ at foot of Ballyvoyle glen]
Sphecodes affinis ? [♀ at foot of Ballyvoyle glen] & ♂ in grassy opposite sand flat Crabro dimidiatus ♂. C. cavifrons ♀ by the pond.
[Salius exaltatus ♀ at foot of Ballyvoyle glen.
Pemphredon shuckardi ♀ at [illegible].
Tenthredo arcuata & Emphytus pallipes ♀ VRCLG. at Woodhouse
Ichn. [illegible] 25 spp. mostly taken on sand above sand flat or along river above road & at foot of [illegible] pond.
Schizoloma capitata ♂. Pimpla instigator v. intermedia ♂
Dyspetes praerogator. Tryphon brachyacanthus 3♂♂, 1♀ (common) on edge of cultivated field below Woodhouse pond!

19th August (Sunday) 1928. Rain all day, but in afternoon drove south to   & thence along coast to near Helvick Hd. By the roadside near   on Salix cinerea I took numerous larvae of sawflies which I sent to Dr. Perkins: also two larvae of Sat. pavonia with one yellow tubercle turned brown in third row (same tubercle in each larva), as if iced.

20th August 1928. Drove to Bunmahon ①, WA, where spent an hour in sun before heavy showers: then on to   Cove ② & back again to Bunmahon, where spent one hour on sand & one hour (latter dull) about "quarries" south of bridge: then home, but stopped in valley below Durrow ③ for a few minutes & called at Cappagh Ho. before going to Dungarvan. A showery day!
Bombus lucorum, jonellus ♂, agrorum, lapidarius ♂♂ & ☿☿, ruderarius ♂♂, muscorum faded ☿☿ seen. Also hortorum
Psithyrus barbutellus ♂♂ & ♀♀ seen. All at 1.
Colletes montanus VRCLG. 2♀♀ (1 at composite: 1 at ? carrot) at 1
Hylaeus minutus 1♀ at Sea Holly flowers, at 1.
Halictus rubicundus, calceatus, albipes, & tumulorum ♂♂ at 1
cont.

20th August 1928 cont. Bunmahon &c. cont. WA.

Odynerus 3-marginatus 1♂ on wild carrot near bridge at 1. Another seen in "dunes".

Tachysphex pectinipes 1 large, worn ♀ at 1.

Pompilus gibbus 2♀♀ (1 on dunes, 1 on wild carrot by bridge) at 1.

Chelonus inanitus common on carrot at 1.

Lissonota bellator 1♂ at 2.

Lissonota basalis ♂♂ in water at 4.

Ichneumon sarcitorius ♂ at 3.

Cryptus ♂ at 3.

Collected burrows in bank at Cappagh P.O. where Crabro, small & black, was seen to enter on a previous occasion, but proved empty.

21st August 1928. Drove home to Dublin: a dull day, warm, with mist-rain & showers; very little sun. Left Dungarvan at 10 AM & drove to Cappagh. Left Cappagh at 11 AM & drove via Coumshingaun to Carrick-on-Suir, but near Ballyhest Cross Roads I had to stop to mend a puncture & while doing so I observed a small aculeate on my coat which I bottled. To my amazement it proved on examination

21.8.28 cont.

when reached home, to be a ♀ Crabro styrius — the 2nd specimen taken in Ireland. If ever a thing was "given to me by providence this surely was."

Then drove to Leighlin bridge, Co. Carlow, where stopped on Carlow road about a mile N. of bridge & beside R. Barrow. Here took:—

Vespa vulgaris ☿☿. V. rufa 1♂. V. austriaca 1♂ seen. All on Angelica.

Bombus agrorum & lucorum ☿♂, 1♀ only, seen.

& a few spp. of ichn. Glypta "longicauda", a very fine ♀.

Then drove home, stopping for a few minutes near Ballitore, Kd, where small Proctotrupids were taken.

END of Dungarvan Trip, 1928.

26th Aug 1928. A fine warm morning turning dull at 11 AM & rain from 2 pm onwards.

Celtidore (foot of glen & sand pit) Co. Dl. 10.30 till 2 pm

Crabro vagus, chrysostomus ♀, cavifrons ♀♀

Pemphredon shuckardi. Mellinus arvensis.

Halictus smeathmanellus ♂♂ & fem. H. albipes ♂♂ H. [illegible] & others

Sphecodes ? divisus 2♂♂ (one with no spores on 7th ventral S.

228

26/8/28 cont. Altidore, Wl cont.
Scolia (? [illegible] or [illegible]) on [illegible] [illegible].
Salix [illegible] & [illegible]

[illegible] [illegible] ♀♀ [illegible] & [illegible]
Bembex (: [illegible])
[illegible]

29/8/28. A glorious afternoon, after heavy thunderstorm at 2 till 3 p.m. With Miss McNamara to see Melam. Glencree, Co. Wl. Old holly grove &c. above Melam. [illegible]
Amblyteles crispatorius ♂ on Cow-parsnep in field below road.

Lissonota variabilis ? 2♀♀. L. [illegible] ? ♂
Glypta bifoveolata ? 1♀. G. [illegible] ? 1♀ = n.sp.? fide Roman No. 85.
Pimpla maculator 1♀.

Halictus freygessneri ♂: ♀
H. rubicundus

Halictus rubicundus ♂ & H. freygessneri ♂.

229

31st Aug 1928. A fine afternoon after showers.
Sandhills ½ mile S. of Portrane, asylum, Dub
(with Prof S.H. Reynolds of Bristol Univ.)
Bombus lucorum, (B. agrorum — 17/8/28 seen), B. muscorum ♀♂
B. lapidarius ♂♂ & ♀♀, B. ruderarius ♂♂
Colletes picistigma 1 worn ♀ on ragwort.
Pompilus plumbeus ♂♂ in one spot
Mellinus arvensis ♂♂ & ♀♀, latter very busy.
[Odynerus parietum 2♀♀ taken by E. O'Mahony at 8 p.m. N. of asylum on thistle head.]
Emphytus cinctus ♀ 1 R.C.L.P. ~~[illegible]~~
Amblyteles ~~[illegible]~~ castaneopyga: Ste. Morley in coll. 2 (1♂, 1♀) on thistle.
Protichneumon fusorius 1 (?♀) seen
Seen, Also, large black species on thistle with almost white hind tibiae & 3 (or 2) white spots on last segments, size of I. lugens.
Pimpla examinator ♂♂ (1 small ♂). P. maculator 1♂.
Cryptopimpla blanda 1♀. Glypta sp.? 2♀♀ agree with nigricornis but has terebra longer than whole body! "Probably right"! fide Roman No. 82.
~~Cryptopimpla ? blanda 1♀~~
85. Lissonota cylindrator ♀, also seen. L. parallela ♀. ~~([illegible])~~
L. (errabunda ?? small ♀). L. sp.? 1♂: both sp.? & ?same sp. Roman NOS. 109 & 110.
A.W.S.

2nd Sept. 1928. A fine day, with much sun, but strong E & afterwards S wind.
Sandhills & fields at [illegible], from [illegible] S of asylum down the [illegible] for a mile, Dec.
[illegible] [illegible] taken on flowers of Carlina [illegible] as on 31/8/28.
Add [illegible] to 31/8/28 Pompilus gibbus ♂♀♀, P. plumbeus ♀♀
Crabro (? [illegible]) seen.

Ametastegia glabrata$^{\text{VRCLP.}}$ ♀ & Cladius difformis$^{\text{VRCLP.}}$ ♀ in oat field! & [illegible]
Selandria serva ♀ & Athalia [illegible] & Tenthredo [illegible]

Lissonota parallela 4♀♀ in sandy hollows: one has black scutellum.

Pimpla arctica 1♀   P. hibernica, 1♀. P. "robusta" small ♀?
Glypta sp. (cf. nigricornis Thoms. var. with long terebra!).
Polyblastus sp. [illegible]
Amblyteles castaneopyga ? ♂♂

[illegible]
Small list of [illegible] [illegible] [illegible], [illegible] [illegible], [illegible]

Connemara Trip, with Charles Oldham.

7th Sept. 1928. A dull day, with heavy rain in aft. – clearing in evening.
Drove to Bunnahill, Maam Cross, W. Galway stopping for lunch at Longbrea, S.G., round which there is some very nice collecting ground for insects if weather was fine. The only insects taken during the day were in the evening at Bunnahill.
[illegible] [illegible]. Homocidus bizonarius Grav. a ♂ of var. ? AWS. 1931.
2 moths.

8th Sept. 1928. A fine day after heavy showers at 11 AM.
Drove to Roundstone & Dog's Bay ③, after stopping to collect at Arddoorey Lough ① & south side of Ballynahinch woods ②. Shore of Craiglush L., Roundstone. ④
Paneroma insps ♀ (Braconid) taken in marsh on Gorteen Pt., Dog's Bay under stone, where 2 living Vertigo angustior found (many in 1906!). ? associated with ants which were very common. Myrmica laevinodis, Lasius niger, alienus? & flavus at 3
Bombus distinguendus ☿, seen; another taken on Daboecia polifolia at 4.
B. muscorum, common; B. agrorum ♂♂♀ & ☿☿, rarer; B. lucorum ☿☿ at 4.
B. jonellus ☿☿ & 1 ♀ carrying pollen at 4. B. lapidarius 1☿ at 3.
Odynerus (trimarginatus ?) seen on rocks at 4
Halictus ~~calceatus~~ albipes ♂ at 3.
Lissonota bellator ♂♂ & ♀♀ common on Angelica in lane to 3.
Ichneumon sarcitorius ♂ at 1 [illegible]. Small ♂ Ichneumon at [illegible] also

9th Sept. 1928. A terrible day: thunder, a gale & floods of rain. Climbed Muckanaght in Twelve Bens from East & saw Thalictrum alpinum, Asplenium viride, Saxifraga "groenlandica", Sax. oppositifolia & Cystopteris fragilis &: but no insects.

10th Sept. 1928. A moderately fine day; but not much sun. Drove to Clifden via Craigamore & returned via Roundstone. Stopped at Craigamore to study Erica mackayi & to collect along shore of lake south of road a mile W. of Craigamore, where along lake shore I took a ♀ Thaumatotypus billupsi Bdgm. (? associated with ants).
Myrmica scabrinodis var. sabuleti ♀ + Lasius flavus ☿ brought home.

11th Sept. 1928. A fine day, but misty over 1500 ft. Climbed Muckanaght by following stream from Kylemore, between Diamond Hill & Knockbrack. Collected lichens for Miss M. C. Knowles & two spp. of ichneumon. One ~~[illegible]~~ Chasmias motatorius ♀ (N. of Benbrack) taken by the river at about 500 ft. alt.; and a ♂ on NW slope of Muckanaght at about 1,100 ft.

12th Sept. 1928. A fine sunny day: little wind. Spent day along S.E. shore of Lough Inagh looking for Vertigo lilljeborgi, which found in colony under small stones on damp lake shore just west of new school at Cloonacartan, with the following plant-association:—
See Journal of Conchology, issued in July 1929!

Collected Athalia lineolata ✓RCLP. ♀ & a few other insects.
Myrmica scabrinodis ♀ – only sp. of ant seen!

13th Sept. 1928. A fine day but windy & at times dull. Drove home to Dublin; stopped to collect at L. Callow, NG (where no sun!); at Ballinasloe, NG. (where no sun!); & on roadside W. of Kinnegad, WH. (where very hot sun!). Took some ichs. along road W. of Kinnegad, some miles W. of which is a fine esker & old sand-pit, well worth visiting in May or July–Aug.! Pimpla brunnea ♀ Grav. [illegible] [illegible] ♀ [illegible] A. Roman!

Three small hymenoptera (1 Braconid, 1 Chalcid & 1 Cynipid) taken in lake drift brought home from L. Callow, NG.
Braconid = Ephedrus validus Hal. ♀.
AWS. 1928.

16th Sept. 1928. A dull day! Rain at night!
Drove C.O. to Woodenbridge, Wi, to look for young Margaritana in Aughrim River.
Took Dyspetes praerogator 3♂♂ on one head of Angelica & saw 1♀ Lissonota bellator on another in morning.

18th Sept. 1928 (afternoon). A fine sunny day, with cool breeze.
Deerpark, Powerscourt, Wi. 3 to 5 pm.
Bombus agrorum several seen, probably ♂♂
Psithyrus campestris 1 dark ♂ seen.
No other Bumble bees met with.
Vespa vulgaris nests still very active!
Halictus. ♂♂ of rubicundus, calceatus &c. seen.
Mellinus arvensis ♂♂ & ♀♀ seen.
Stenichneumon culpator 2♀♀ flying about a large log & seen taking short flights like Diptera!
Lissonota variabilis? 1♀ on stump
Pimpla rufata? 3 small ♀♀

Small [illegible] left in tube in other box.

23rd Sept. 1928. A fine day, with much sun, but keen East wind!
Slade of Saggart, Dub. Mid day.
Bombus lucorum ♂♂, B. terrestris 1 fresh ♀, B. lapidarius 2♂♂,
B. muscorum ♂♂ & ☿☿, B. agrorum ♂♂ & ☿☿.
Halictus freygessneri ♂
Vespa vulgaris ♂ & ☿☿.
Lissonota commixta 2♂♂ & a few other ichs.; 1 Braconid.
Mesochorus ♀.

23rd Sept. 1928 - Afternoon.
Upper Liffey at Cloghoge Glen, Wi.
Bombus agrorum
Vespa vulgaris 1♂ & ☿☿.
Mellinus arvensis ♀♀.
Halictus leucopus 1♂
Two small ichs. mixed with those from Saggart!
Also Alomyia debellator 2♂♂ & several ♂ Ichneumon seen.

30th September 1928. A fine day, with very hot sun, after a "frosty" night; but N. wind & very cold except in shelter. Killoughter channel & Buzzard's channel, ½ a mile west of former, Co. Wi. All captures in latter [illegible]!

Bombus agrorum. A good number of workers still gathering honey & pollen.

B. lucorum 1 ☿ seen: no ♂♂ or ♀♀.

Psithyrus campestris 1 very faded ♂.

Halictus rubicundus several ♂♂ & 1 fresh ♀ with pollen on scopae!

Halictus albipes ♂♂ & ♀♀ seen.

H. villosulus 1♂ taken. H. nitidiusculus 1♂ taken.

Vespa vulgaris ☿☿ frequent at blackberries.

About 12 spp. of Braconids, Braconids &c taken along ditches & hedgerows. Swallows (6 or 12) seen over Killoughter in morning.

Lissonota sulphurifera 1♂, 2 others seen! Pimpla examinator, 1 very small ♂.

4th Oct. 1928. Powerscourt Demesne, Co. Wi. a dull afternoon.

Vespa vulgaris ♂? var without black stripe on face.

Pimpla (= angens) ovivora Boh. small ♀. Typical! A. Roman (Fide), No. 69.

~~Polysphincta~~ ~~[illegible]~~ Polysphincta clypeata H ♀ = madida Hal. Fide, A. Roman, No. 74.

Ephialtes tuberculatus ♀, very large, taken on great stump by avenue just (¼ mile) above middle lodge.

Braconids &c. taken sweeping below house.

= Dacnusa [illegible] ?? [illegible]

12th Oct. 1928. Birdhill Station (on way to Killaloe) Co. N. Tipp. A.W.S. Sunny & fine.

Vespa vulgaris ☿☿ on ivy.

3 Braconids on nettles

[illegible] Island [illegible] below Killaloe, [illegible] by the Shannon scheme [illegible]

15th Oct. 1928. Drove to Newcastle Station on the Murrough, Wi., in afternoon, but cold & drizzling rain; so came home again. Stopped at Devereux's near Kilpedder Wi, & swept some bugs &c off nettles, amongst which was one Braconid.

21st Oct. 1928. A glorious day! Walked over Bray Hd., across Kilruddery, Little Sugar Loaf, via Kilmacanoge, Rocky Valley, & Tinnahinch to Enniskerry. On Bray Hd., saw 1 ♂ each Bombus jonellus & muscorum & 1 ☿ B. agrorum; also 1 ♀ Vespa vulgaris, all on heather. On Little Sugar Loaf took 3 ♂♂ Ophion flying over the heather & saw at least one more on summit; took a very small ichn. under stone where was a nest of Lasius flavus or Formica fusca (? which);
On summit took two spp. of Proctotrupids under stones where ants also occurred.
Lasius flavus nest with many winged sexes discovered on E. slope of Sugarloaf by Palmer: this species & Myrmica ruginodis & Formica fusca all ~~seen~~ on summit, 1120 feet alt. & also a hibernating (+ a ♀ B. lucorum) ♀ Vespa rufa (Palmer under stone.
J. A. J. Palmer found Ornithopus perpusillus on Bray Head a little NE. of the monument, just below the "view point" over Greystones.

22nd Oct. 1928. Another glorious day!
In afternoon drove to Kilruddery gate & walked up Bray Head & down again. On way up swept a ♀ Pimplid P. rufata "small." amongst grass & took a ♂ Mesochorus flying over bracken. On summit saw one ♂ Bombus agrorum.

28th October 1928. A fine day with much sun, but keen & strong W–NW breeze. Drove Dr. L. [illegible] Smyth to Maryborough & home via Mountmellick, Portarlington, Rathangan, Dunmurry Hill & the Curragh.
Had lunch in lane way (W of rd.) at [illegible] Ho., N.W. of Maryborough Q.Co. at 12.30–1 o'pm, where saw many ☿☿ of Vespa vulgaris at Ivy blossoms & took two ♂♂ ichn. (Tryphonids!)
On the Curragh K.D. at 11 AM saw my first ♀ Halictus rubicundus on Leontodon autumnalis (?) & another smaller ♀ on same plant in gravel pit in the [illegible]

4th Nov. 1928. A dull mild day, with drizzle after. Walked from Old Bawn to top of Corrig, via Ballinascorney; thence across head of [illegible] to Piperstown to Bohernabreena. No hymenoptera seen!

7th Nov. 1928 Took a ♂ [illegible] on [illegible] window!

In litt. dated 15.XI.28 Dr. Perkins says that even though nothing come of it it is safe to record a larva of Pristiphora testacea Jur. sent by A.A.L. from Shankill, Co. Dublin!

18th November 1928. A dull day, with strong S.W. wind & drizzle. Walked up east side of Glenasmole & along upper Dodder to 1,200 ft; then across moor to E. at head of Glencree, where crossed military road S.E. of W. boundary & followed stream to W. shoulder of Glendhu Mt. & on to Pine Forest & home.

Re-discovered Hymenophyllum unilaterale covering N. face of a large granite boulder on left bank of upper Dodder at about 1,000 ft. alt.: not seen for many years in Co. Dublin. F. T. Riley found beetle on another boulder near same place, which proved to be 3rd Irish record for Lesteva pubescens (fide O'Mahony!)

D. Connor brought me a living ♀ Amblytele armatorius ♀ taken in house at Clontarf, DU., on 17.11.28!

2nd Dec. 1928. A fine day, with [illegible] sun. Walked from Greystones round Bray Head with [illegible] [illegible] [illegible] [illegible]. Saw [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] [illegible] & Ceterach [illegible] [illegible] by path near [illegible] of [illegible] above Cable Rock.

16th Dec. A showery day after gale & heavy rain; warm & considerable sunny periods. Walked from Laytown to Balbriggan, ME & DU. Saw ♀ Vespa flying N. along cliffs at Gormanston, ME., at 12.30 PM. Collected "Bristle-tails" for Womersley & Collembola. Saw two Chrysomela banksii one on wet sand at high tide level. Marine shells very abundant!

16.12.28 cont.

Found freshwater deposit just S. of Ben Head, ME, above the raised beach gravels — it contained Pis. casertanum common & very large, thin; Succinea pfeifferi cf. form schumacheri; L. truncatula & a few land shells ? spp. — & was overlain by a terrestrial deposit containing many H. acuta & hispida &c.

List of ichneumons sent to Dr. Roman, 14/2/28.
See also his letter dated 24/2/28.

No. 35. Ischnocerus seticornis ♂. Clara, Wl.

No. 36 & 37. I. filicornis ♂ & ♀.

"No doubt you are right, your specimens answer exactly to Kriechb's. description. My Swedish 3♀, 1♂ are all filicornis. A German pair I have of seticornis differs from fili. ~~[illegible]~~ sec. Kriech. only in puncturation; but the two species also differ in length of areolar nervure & puncturation of pleura." A. Roman!

No. 38 & 39. Pimpla clavicornis Thom. ♂ & ♀.

x~~[illegible]~~ "Very interesting to see clavicornis! In Switzerland I once took a curticauda ♀, antennae filiform, quite a different species." A.R.

No. 40. Schizopoga podagrica var. or S. atra?

I suppose it must be called atra var., but there seem to be only colour differences between both, so they probably are races of one species. I have the same form from the Stockholm env." AR.

No. 41. Phthorimus compressus Desv. ♀.

"I have taken a ♀ at Upsala & possess 1 or 2 more Swedish specimens. The ♂ must be rather difficult to recognise, having of course a short & depressed abdomen." AR.

No. 42. Ephialtes antifurcalis Thom. Devon! RCL Perkins.

"Yes, it is antifurcalis. Many years ago I took this species in some numbers at Upsala on the trunks of old Scotch firs (living)" AR.

No. 43. Megarhyssa curvipes ♀. Devon! R.C.L.P.

"Right! it is a parasite of Xiphydria." A.R.

No. 44. Pimpla sp.? ♀. Devon! R.C.L.P.

"Is Ephialtes terebrans Ratz. (=planifrons Thu.). This species is at the limit between Ephialtes & Epiurus, but the tibial colour (mostly blacker: pale bases) speaks for Ephialtes. I have several times taken it on Spruce in early summer." AR.

No. 45. Phytocampa confusa ♀.

"Is Ph. confusa Thu. I have seen a ♀ of Mr. Johnson's from Poyntzpass." AR. (wanted!).

No. 46. ~~Ph~~ Pezomachus sp.? ♀. Bred from Phytocampa.

"Is Gelis instabilis Först., dark var. with whole thorax black." AR.

No. 47 & 48. Hemiteles sp.? ♂ & ♀. Bred from Emp. moth cocoons.

"Is Isadelphus castaneus Tasch. ~~Both~~ Hyperparasitic on next species. Reared before from Cimbex & Trichiosoma." AR.

No. 49 & 50. Spilocryptus sp. ♂ & ♀. Bred from Emp. moth cocoons.

"Is S. cimbicis Tschek. The ♂ is very dark. Mostly parasitic of Cimbex & Trichiosoma." AR. (Jinis)

1929.

2nd Jan. 1929. Heard Mistle Thrush singing in Kenilworth Road & Hedge Sparrow outside Mayfield.

3rd Jan. 1929. Walked from Greystones to Bray round Bray Head with George & collected some beetles, bristle tails &c. along old railway line S. of the head.

6th Jan. Snow on hills above 800 ft. Walked via Pine Forest, down Glencullen to Enniskerry & home by bus. Saw Primrose & one hazel with ♂ catkins ~~open~~ in Glencullen.

13th. Jan. A fine day with N & E winds: sunny in late aft. only. Worked S. cliffs of Howth, Dbl. for Collembola & Bristle tails for Womersley & in shaking Silene maritima clumps obtained many small Proctotrypids & a few Mymarids. Lilies

25th January. Walked from Donabate to Rogerstown Creek & thence round coast outside Portrane asylum & via "the Island" to Malahide Ferry. Collected Bristle-tails & Collembola on cliffs for H. Womersley & amongst Silene maritima shook out two very small Braconids — Aphidius sp.?

While waiting for train showed Brunker & Palmer Carex axillaris station by ry. siding S. of Malahide station. Here the plant grows at foot of cliff of quarry amongst its parents C. vulpina & C. remota.

A warm muggy day with misty rain all day!

3rd Feb. 1929. A.S.W. Walked from Dundrum via Ticknock, NW. shoulder of Two Rock Mt., to summit of Tibradden; thence to Rockbrook & home via Mt. Venus Road to Ballyboden. Under cairn stones on Tibradden took several beetles, one springtail & one ♀ Ichneumon.

On N. side of road near Mt. Venus saw Equisetum hyemale in Praeger's station.

10th. Feb. 1929. Train to Greystones. There picked up motor at 1.0 pm. Drove to foot of Glen of the Downs, there stopped for lunch in old sand-pit (not before observed: very nice bee ground). Sun shone all day from a cloudless sky & was quite hot, but wind from NE. very cold. Plenty of Diptera & Beetles (Aphodius sp.) on the wing, but only hymenoptera seen was one ♂ Apis mellifera on gorse in old sand pit. After lunch drove to Ballyhenry & then home. Still sunny but nothing seen, except Marsh Marigolds in swamp at foot of Kilmartin Channel.

14th Feb. 1926. A cold day, with strong E. wind; but blue sky & sunny. In aft. drove to Slade of Saggart & then to Cloghleagh Glen (upper Liffey) & home. Mountains all white with snow & nothing seen.

15th. Feb. 1926. After 4 days frost heavy snow on night of 14th-15th; snow continued to fall all day on 15th.

17th February 1929. A.S.U. Train to Skerries, walked to Rush & via Rogerstown Creek (N. Shore) to Rush Station. A fine day with strong cold E. wind!

24th February 1929. Drove, with Buckley, to Ballysmuttan Bridge, Upper Liffey, to meet Southern, Grayes & ? & to discuss proposed biological survey of Liffey. Poor day with some rain! Marsh Marigolds in flower at Ballyward Bridge.

3rd March 1929. A.S.U. Drove in motor to Deerpark Gate. Walked up Glencree (S. side) to Ballyross Wood, where in stream-bed Palmer refound Hymenophyllum unilaterale (D'Arcy's record). Then up stream on to plateau over Tonduff South on summit of which Brunker found nice colony of Vaccinium vitis-idaea, over Maulin & back to motor. A Glorious day with no wind & no clouds. Much snow still on hills. Frogspawn in swamps above Ballyross wood to 700 ft. [illegible] Bumble Bee (? sp) in Kenilworth Square!

Frog spawn

~~10th March 1929.~~

6th March 1929. Worked lower Glenasmole, but saw nothing out except one Peacock Butterfly on cliff opposite Brady's

10th March 1929. A glorious sunny day as all previous week. Drove to Gold Mine Valley & back. Stopped at Ballyhenry quarry in morning, where nothing out & willows very backward, & at Meeting of the Waters, Avoca in afternoon where saw a ♀ Ichneumon (vol. 1.) & captured a ♂ Hemiteles? below Castle Howard. Gold Mine Valley frozen in shade & nothing seen. All willows very backward & one at Avoca nearly open on 14/3/29 still in mid winter condition. Tortoiseshell Butterflies at Ballyhenry & M. Waters!

Glorious day after frosty night, but cold SE breeze near coast!

17th March 1929 (Sunday). A.S.U. Drove, with R J Welch & J.A.S. Stendall to Ballyhenry, Wi., where saw several Meloë proscarabaeus & one fresh ♀ Andrena apicata; latter sunning itself on stone on "cliff" face. No sign of ♂♂ of Andrena, & willows no further on. No Bombi. Then drove on to Wicklow Head, where spent most of day with Lt-Keeper Smith. Saw Peregrine Falcon, 2 pair Raven, with young in nest S. of Lt-Ho. (2nd pair ½ mile further South!) Very nice overflow channel across back of Lt-Ho. promontary, making latter a natural fortress! At 3.30 pm. drove through Wicklow & Rathnew to Ballyhenry where had afternoon tea! Then home. Gathered a few Bristle-tails at Lt-House for Womersley! Saw frogspawn just hatched at foot of overflow channel behind Lt-House at Wicklow Head!

24.2.29 contd. In rotten stump in Cloghleagh glen, containing Rhagium bifasciatum, a bunch of 9 Ischnoceros filicornis cocoons was found from which hatched 4 ♂♂ (on 28th, 29th & 30th March, and 1st April 1929) & 5 ♀♀ (on 4th April (2), 5th April (2), & 6th April (1), 1929).

Labelled 23.2.29!

18th March 19~~28~~29. The 18th consecutive fine day & about the most glorious of all (except near the coast where cold fog!) after a frosty night & followed by same.

Valley of Annamoe River from L. Tay to L. Dan.

Bombus jonellus ♀ seen & caught & released below Ballyreask Cottage.

B. sp. (?? lucorum) ♀ seen flying across mountain above valley.

Andrena clarkella ♂ seen sunning itself on tree below Ballyreask Cottage.

Vespa (?? rufa) ♀ seen at stepping stones below Ballyreask Cottage.

Also saw Myrmica scabrinodis & Formica fusca ☿☿ nr. L. Dan.

Also saw Peacock & Tortoiseshell butterflies at 1,000.

Much Frog spawn up to 1,200 ft.: mostly hard frozen in morning: close to drifts of snow which still lingered in places at this height.

No chiff-chaff heard! but Wheatear seen!

Lobelia very abundant, with Isoetes in L. Dan. & just up river above lake discovered large patch of a sedge, ~~which I hope will prove to be C. aquatilis~~ probably var. C. ampullacea growing in sandy alluvium by edge of water.

Many willows (none out yet!) on flat where river enters L. Dan & much good ground for hymenoptera all along the valley!

20th–21st A depression off [illegible]; [illegible] of 20th caused [illegible] rain [illegible] of the [illegible] [illegible] the eff. of 20th.

22nd March again brilliantly sunny but cold easterly [illegible]!

27th March 1929. There emerged from cocoon in leaf of Salix aurita a ♀ Amauronematus viduatus? whose larva I took in 1928 I believe at Clara, Co. Wl.; but which may have come from Bohernabreena, Co. Dn. A.W.S. 1929.

Ichneumonidae verified by Dr. A. Roman.

51. Myriarthrus lineator Schj. Rathdrum, Wi.
"Megastylus & Myriarthrus are among the little known genera & figure among the Pectiscini. The short, wide open antennal scape is distinctive for them & exists also in the Plectiscine genus Dicolus. In my opinion this series of genera is continued by Poemenia (& Calliclisis), Deuteroxorides, & Rhyssa & Megarhyssa. No doubt these genera look very different, & the small 'Plectiscines' of course must prey on quite other insects than the gigantic Megarhyssa, but there is a certain 'family air' about them all." A.R.
in p.c. dated 26.2.'29.

52. Exephanes occupator Gr. ♂, a var. of strange appearance, with black hind femora. An intermediate between vars. 7 & 8 of Ulbricht" A.R. loc. cit. Marsh by R. Blackwater, S. of Cappoquin, WA!

53. Pimpla (Epiurus) pomorum ♀. Magherabeg, Wi. 1.7.27.
Roman evidently agrees, but adds "I am not sure whether this (i.e. pomorum) is a distinct species or a colour form of Ep. calobatus Gr. They have been reared together with calobatus ♂ & ♀, but I dont know any special ♂ to pomorum"
A. Roman. in litt (with p.c.)
dated 26-3-29.

54. Pimpla (Epiurus) sp. nov.? ♀ (AWS). Meeting of the Waters, Avoca, Wi. 23.7.27.
= "Epiurus ("Troctocerus") elegans Wold! Ruschka & Seyrig have both cleared up this species" A. Roman 26.3.29.

55. Pimpla pomorum or n. sp.? ♂ (AWS). Glenmalure Wi. 24.7.'27.
= Ep. elegans Wold. ♂. A. Roman. 26.3.29.

56. Pimpla ♀. Seems to fit Schmied's idea of P. brunnea Brischke. AWS.
Near Kinnegad, WH. 13.9.28!
"Is also my opinion!" A. Roman. 26.3.29.

57. Pimpla brevicornis ♂. Arklow, Wi. 28.8.25. AWS.
"Correct!" A. Roman. 26.3.29.

58. Pimpla inanis?? ♂. Boher-na-breena, Du. 25.5.27. AWS.
"It is not inanis Gr., whose ♂ has femora I bisinuate, but what species it is I dont know. The posterior tarsi are remarkably short." A. Roman. 26.3.29.

59. Pimpla detrita or robusta? ♂. Magherabeg, Wi. 1.7.27. AWS.
"Possibly this is robusta (which I still think = nigricans Thoms., though Thomson says "articulo 5 (tarsi postici) 3° haud longiore", which is wrong on behalf of robusta). A ♂ like this, but a little larger, is in our Swedish collection". A. Roman. 26.3.29.

P.T.O.

Dr. A. Roman notes continued!

60. Pimpla hibernica Morley ♀. A dark form? AWS.
Ballyarthur, Wi. 25.8-25.
"I think so too!" A. Roman.

61. Pimpla robusta (Morley) ♀. Magheraboy, Wi. 1.7.27. A.W.S.
"Your specimen concurs entirely with a ♀ in the Swedish museum collection under Pimpla detrita (under this label there are also the real detritus Hgn. & arundinator F. with quite black abdomen). I have caught several robustus in meadows, &, as you know, think it is Thomson's nigricans; the difference in the hind tarsi I do not think real, but depending on carelessness on Thomson's part. Habermehli Schmied. is according to Ulbricht only the form of arundinator with quite black abdomen." A. Roman. 26.3.29.

62. "Pimpla (Epiurus) calobata punctiventris Thom." ♀. Garden at Mayfield, Harold's Cross, DU. A.W.S. 13.7.1922.

63. "Pimpla (Epiurus) sagax Htg. ♂." Rye Water, Leixlip, KD.
A.W.S. 15.5.28.

64. "Pimpla (Epiurus) brevicornis Grav." Very large ♀. Bohernabreena, Du.
A.W.S. "= nigriscaposum Thoms." fide A.R.

klow district
. Roman.

tants!" A.R.
♀ 1921.

pical form!"

tkoffi Auriv."

ery large ♀
6. A.W.S.
fide A.R.

erscourt
coloured!
ttled with red)
fide A.R.
: an unnecessary

P.T.O.

A.W.S.

Waterford : 11.7.27.

Halictus rubicundus 1♀. H. albipes 1♀. H. nitidiusculus 2♀♀. ✓RCLP.

Sphecodes affinis 2♀♀.

Megachile versicolor v. hibernica Perkins 1♀.

Ladybird = Adalia bipunctata! "Waterford" is the only record before you got this at Cork, I believe.

New Ross, WX. 12. 7. 27.

Formica fusca 1♀ Pemph. shuckardi ? large ♀.

Andrena saunderella ~~minutula~~ 1♀ (~~[illegible]~~).

Halictus rubicundus 4 ♂♂ (earliest date for year!)

" tumulorum 3♀♀. ~~H. nitidiusculus~~ H. villosulus 1♀.

" leucopus 2♀♀.

Sphecodes affinis 3♀♀. S. divisus 1♀.

Nomada lathburiana 2♀♀. N. flavoguttata 1♀.

Crabro iv-maculatus 1♀. C. varius 1♀.

Salius exaltatus 1♂.

Rosslare Wx. 21.7.27. Colletes montanus ♀ very fresh. ✓RCLP

New Ross, Wx. 13.7.27.

Halictus laevigatus 1♀ ✓RCLP. Rare! H. villosulus 1♀.

Crabro iv-maculatus 1♂. C. varius ♂♂ & ♀♀.

Pemphredon shuckardi 1♀.

Nomada ruficornis 1♀

&c. including your favourite grass-hopper, which is local but not rare: there are two spp. very like each other

New Ross, Wx. 14.7.27.

In tube.

Myrmosa melanocephala 2♀♀. Leptothorax ☿ ? sp. Prickly bug!

In box.

Hylaeus confusus 1♂.

Andrena fucata 1♀, very fresh!

Halictus leucopus 1♀.

Sphecodes affinis 1♀. √RCLP. S. [illegible] (? a very small divisus) √RCLP. 1♀. also one ♀ typical divisus √RCLP

Nomada ruficornis, hillana, flavoguttata 1♀ each.

Salius exaltatus 1♀.

Rosbercon, KK. 15.7.27.

Halictus albipes 1♀.

Crabro chrysostomus 1♀. C. podagricus 1♀. C. clavipes 1♂.

The large sawfly is, so far as I can judge, a ♀ Tenthredella livida? which is a common June-July species in wooded districts.

Enniscorthy Wx. 16.7.27.

Halictus nitidiusculus, 2♀♀, & 2♀♀ of its parasite Sphecodes affinis.

Macmine, Wx. 16.7.27.

Andrena fucata 1♀. A. coitana, 1 very small ♀, √RCLP. A. saundersella 1♀.

Halictus albipes 1♀.

Pemphredon lethifer 1♀.

Chrysis ignita 1♀.

&c.

Hymenoptera coll. by R. A. P.

July 1927

Kilkenny: 4. July '27.
Crabro aphidum 1♀, VRCLP C. chrysostomus 2♂♂, 1♀.
C. dimidiatus 2♂♂. Gorytes mystaceus 1♀.
Odynerus parietum (?) 1♂. O. sinuatus 1♂, 1♀.
Pimpla instigator 1 large ♀. 5 other specimens of ich.

Thomastown, KK. 5.7.27
Odynerus parietum 1♂?, O. parietinus 1♀. 1♀ ich.

Kilkenny: 1. July '27. Gorytes mystaceus ♂.
Vespa germanica 1♀, faded. V. austriaca 1♀.
Odynerus sinuatus 3♂♂. Od. parietum 1♀.
Crabro chrysostomus ♂♂. 5 ich.

Kilkenny: 23.6.27.
Honey bee. 1♀. Andrena albicans 1♀, very late date. A. subopaca 1♀.
Megachile centuncularis 1♂.
Odynerus parietum 1♀. O. sinuatus 2♂♂.
~~Cr~~ Crabro chrysostomus ♂♂. Chrysis ignita 1.
Sawflies. Tenthredo arcuata ♂ & ♀. Athalia lineolata ♂ & ♀.
♂.
Exetastes cinctipes 2♂♂.

re taken by A.W.S. & R.A.P. in sand-pit & along R. Bann, near Scarawalsh Bridge, Co. Wx.
1 = Sand pit on Sunday. 2 = along river. 3 = Monday.
P = R.A.P.

Bees. *Colletes* 3 spp. 3.
Hylaeus 2 spp. 1 & 2. 3rd sp. 3.
Andrena fucata 1♂, many ♀♀. 2. None seen on Monday!
A. *sericea* ♀♀. 1 & 3. A. *coitana* ♂♂ & ♀♀. 1.2. & 3.
A. *tarsata* 1♂. 1. A. *minutula*, 2nd brood, 1♂. P.
A. *saundersella* ♀♀ on Wild Carrots. 1.2. & 3.
Halictus rubicundus ♂♂ & ♀♀. H. *calceatus* ♀♀. H. *albipes* ♀. P.
H. *tumulorum* ♀♀. H. *villosulus* ♀♀. H. *nitidiusculus* ♀♀.
H. *leucopus* ♀♀.
Sphecodes divisus 1♂, ♀♀. 1 & 3. S. *affinis* 1, 2 & 3.
Nomada ruficornis ♀♀ at lane ditch.
Megachile (? *centuncularis*) 1♂. P. 1. 1♀. 3.
" (? *versicolor* ♀) seen by AWS. on railway bridge
Bombus lucorum P. B. *agrorum* ♀♀ 2 & 3.
B. *lapidarius* 1♀. 2.
Psithyrus rupestris 1♀, along road. 3. (parasite of B. lapidarius).

Wasps.

Odynerus pictus ♂♂; ♀. P. at ry. bridge. O. parietinus 1♀. P.

O. sinuatus ♂♂ & ♀♀. 3.

Mellinus arvensis ♂♂. 1 & 3.

Crabro peltarius ♂♂ & ♀♀. 1 & 3. C. cavifrons ♂♂. 2 & 3.

C. chrysostomus ♂♂; ~~♀♀.~~ 2 & 3. C. IV-maculatus ♂♂ & ♀♀. 2 & 3.

C. clavipes 1♀ at stumps in wood. C. varius ♂♂ & ♀♀. 2 & 3.

C. capitosus 1♀. 2. C. podagricus 1♀. ? where. C. wesmaeli 1♂. 4. P.

C. elongatus ?? 1♂. ~~[illegible]~~ 2. P. ?

Arpactus tumidus ♀♀. 1 & 3.

Pemphredon lugubris 1♀ at stumps. 2.

Myrmosa melanocephala 2 small ♂♂; ♀♀. 1. P.

Chrysis ignita 1. 2. & 3.

Graignamanagh. 7.7.27. R.A.P.

Hylaeus ~~confusus~~ hyalinatus ✓RCLP. 1♀. ? hyalinatus

Andrena fucata 1♀. A. coitana 1♀. ✓RCLP.

Halictus albipes 2♀♀. H. leucopus 1♀.

Crabro varius 2♀♀.

Odynerus parietinus 1♀.

Nysson spinosus 1♀, very small.

Lasius mixtus ☿☿

Sawfly. Selandria serra 1♀

&c.

[Please return list to A.W.S.]
& following!

Aculeates named by R.C.L.P. in litt.
dated 18.1.28.

Andrena saundersella (stylopised). Killarney, N.K. (Ballock).
A. minutula (parvula) var. ♀. very fresh. April 1927. " "
A. subopaca 3♀♀. ———— " "
" " 2♀♀ (1 stylopised). ———— " "
Sphecodes affinis ♀. ———— " "

Colletes daviesanus 1♀, very worn, Killard Pt. Do. 24.8.27.
Canon George Foster. See long description in letter dated 18.1.28.

✓ Odynerus parietinus 1♂. Arklow District, (Ballyrain) Wi. 4.7.27.
("5th tergite injured, no doubt in pupal stage or earlier").

✓ Nomada ruficornis ♀ var. "Old; frayed wings (colour like some specimens caught with synadelpha & fucata at Newton Abbot"). Rathdrum, Wi. 8.7.27.

✓ Sphecodes hyalinatus ♀. very nice. Clara, Wi. 12.7.27.
✓ Andrena subopaca ♀ ———— " " "
✓ Sphecodes divisus ♀ ———— " " "
Crabro aphidum ♀, very fine. Kilkenny, KK. RAP. 4.7.27.
✓ C. capitosus 2♂♂. Rathdrum, Wi. 8.7.27.
✓ Sphecodes affinis ♀. Arklow District, (Kynoch's), Wi. 11.7.27.
✓ Colletes montanus ♂ & ♀ Cahore, WX. 10.7.27.

Stockholm Nov. 18th, 1927.

Dear Mr Stelfox,

Now your Glypta are perused & I am returning them to you. Your identifications are not at all bad, in fact most of them are quite right & only wanted a confirmation. It is remarkable how dark the colour is on most of them, a little darker than in Scandinavia, where it is, however, darker than in central Europe. No doubt this is a consequence of your climate with much moisture & little sun. I am sorry you had no species with "broken" costa ~~fr~~genalis, but I only remember two, fractigena Thu & genalis Möll., & both are rare, but you had at least a species with an intermediate form (bipunctoria Thunb.), so you can imagine how it looks (see also your notes!). Two species I had almost expected to find in your box, viz. mandibulator Thunb. (xanthognatha Thoms.) & femorator Desv. The former is not rare in all Sweden & is easy to recognize by the yellow clypeus ♂♀. The latter is a small ♂ with ± blackish femora & thickly pubescent clypeus, & I think it is simply the ♂ of vulnerator Gr. Perhaps you will find them in the future. By the study of your specimens I found there is a distinct variability in the length of the terebra within certain species. There is much reason to believe, that different hosts have produced these variations, & I suppose they are real races & not only aberrations.

Unfortunately your specimens were very difficult to handle & it is sheer luck I have not broken anything. Outside the British Isles entomologists have no experience of the short needles & consider them a nuisance. For Hymenoptera I heartily concur with this opinion I find well founded. Some time ago I wrote about it to Rev. Johnson & have not yet received an answer, so he may have grown cross. I hope, however, it will not be for a long time, for he is a kind & interested gentleman & accordingly a desirable correspondent.

Your notes accompany this letter. Your next box is expected with mixed feelings, for interesting as the insects may be, the needles are, to speak with a Swedish proverb, as "salt in a sour eye".

Yours truly,

A. Roman.

Specimens of genus Glypta from
G. W. S. Nat. Mus., Dublin.

1 & 2. ♂ & ♀. Run to rostrata Holmgr., but in ♀ "die hintersten Schienen-spitzen und Tarsen" are not "schwarz"! I presume this is your "hornless var." of bicornis which Johnson has recorded? Is this var. really the rostrata of Holmgr.?

Glypta bicornis rostrata Hgn ♂♀.

I have only seen a few specimens & only taken 1 myself.

3 & 4. ♂ & ♀. Run to ceratites Grav., but "hintersten Sporen" do not seem to me to be "fast länger als der halbe Metatarsus." Very common.

Glypta ceratites Gr. ♂♀.

5 & 6. ♂ & ♀. Run to elongata Holmgr. Very common.

Glypta elongata Hgn ♂♀ dark var. Wanted, A. Ru.

7. 1 ♀. Runs to monoceros Grav. I have one other ♀.

Glypta ? monoceros Gr., ♀ dark var.

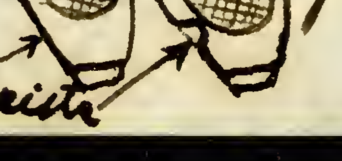
8. 1 ♀ Runs to genalis Möller, but metathorax is not, in my opinion "vollständig gefeldert mit kräftigen Leisten". Is it possibly only a black "rostrata"? It comes from the same locality as the ♀ "rostrata" above (No. 2) & is the only specimen I have seen.

What is the "Wangen leiste"? and when is it "gebrochen"? I dont know what to look for!

Certainly not genalis Möll.

Wange = cheek. The "Wangenleiste" is the posterior margin of the cheek; it is called "broken" when it has a narrow emargination.

Seems to be a black var. of G. bicornis rostrata Hgn.



9 & 10. ♂ & ♀. Run, with doubt, to mensurator Grav.
Very common. ✓

Probably right, but dark var.   Wanted. A. Ru.

11. 1♀. Smaller & doubtfully the same as No. 10.

Right.

12. 1♀. A large reddish specimen with very elongate terebra & short transverse 2 + 3 segments.
? same species as No. 10. An interesting form of mensurator, perhaps = nigrotrochanterata Strobl, but w. yellow stigma & more red on abd. & trochanters.

13. 1♀. Same as last ? only blacker.

Is nigrotrochanterata, only the yellow stigma differs.

14. 1♀. Same as last ? Right, only darker.

N.B. These ♀♀, with long terebra, which look like a var. of "mensurator" are equally as common as those like No. 10 with shorter terebra! ✓ Wanted. A. Ru.

15. 1♀. With clypeus ? "dicht schopfig behaart". If so, then, it seems to run to vulnerator Grav., but the costulae are ? "deutlich". This, the only specimen I have seen with "d. schopfig behaart clypeus" (like this), was taken in the same locality, an island off the Dublin coast, as No. 10. Is vulnerator Gr. Seems to differ from mensurator only by the densely pubescent clypeus. The more or less distinct costulae are of little importance.

16 + 17. ♂ + ♀. I cannot make these fit anything; but they seem distinct from anything I have. Its ♂♂ are not uncommon but I have only taken 2 ♀♀.

Probably similis Bridg. (clypeus densely pubescent!).

18 + 19. ♂ + ♀. Seem to fit bifoveolata! Very common.

Right, but var. with coxæ ♂♀ black.

20. 1 ♂ (rather mutilated). Johnson named this filicornis, but I am more than doubtful if it fits that species!

Either similis or filicornis, but impossible to discern in a ♂.

21 + 22. ♂ + ♀. A very distinct species with red legs & very long terebra. Runs to longicauda Htg. I have numerous ♂♂ & 2 or 3 ♀♀. ✓ Wanted. A. Ru.

Probably right, but is only a form of bifoveolata (antennæ!).

23 + 24. ♂ + ♀. Runs to haesitator Grav., but costulae in ♀ seem fairly well marked. Common.

Is parvicaudata Bridg. (= crassitarsis Thu., both described 1889).

25. 1 ♀. Runs to nigricornis (?). I have another ♀!

Right. Have found ♂♀ at Upsala on umbelliferous flowers.

26. 1 ♀. Runs to varicoxa ~~Grav.~~ Thoms. (or ? pedata Desv.). The only specimen I have seen.

Right. A ♀ from Upsala has purer white on hind legs.

27 + 28. ♂ + ♀. Run, with much doubt, to tenuitarsis Thoms. This is a common species in the mountains at 1,000 to 2,000 ft. above sea-level, amongst Calluna vulgaris, &c.

Is parvicaudata.

29. 1♀. Somewhat like the last (28), but with shorter terebra & differently coloured hind tibiae & tarsi. Johnson named this specimen "scalaris" Grav.! His specimen was also taken in the mountains!

Also parvicaudata. The length of terebra evidently varies a little within the species; different hosts?

30. 1♀. Might run to filicornis Thoms., but does not seem to fit that species. Is clypeus "nicht" or "dicht" schopfig behaart? The only specimen I have taken!

Is nigricornis. Clyp. seen in profile thickly pubescent.

31 & 32. ♂ & ♀. Run to flavolineata Grav. Common.

Obs! The costa genalis ("Wangenleiste") is sinuous, nearly "broken".

Right, but the species ought to be called bipunctoria Thunb.

33. 1♂. Runs to evanescens Rtzb. The only specimen I have seen.

Right.

34. 1♂ which I cannot place at all!

Probably mensurator, but difficult to say from a single ♂.

Please return these notes to A. W. S.

Dr. A. Roman notes continued!

60. Pimpla hibernica Morley ♀. A dark form? AWS.
Ballygarthen, Wl. 25.8.25.
"I think so too!" A. Roman.

61. Pimpla robusta Morley ♀. Magherabeg, Wl. 1.7.27. A.W.S.
"Your specimen concurs entirely with a ♀ in the Swedish museum collection under Pimpla detrita (under this label there are also the real detritus Hgn. & arundinator F. with quite black abdomen). I have caught several robustus in meadows, &, as you know, think it is Thomson's nigricans; the difference in the hind tarsi I do not think real, but depending on carelessness on Thomson's part. Habermehli Schmied. is according to Ulbricht only the form of arundinator with quite black abdomen." A. Roman. 26.3.29.

62. "Pimpla (Epiurus) calobata punctiventris Thom." ♀. Garden at Mayfield, Harold's Cross, DU. A.W.S. 13.7.1922.

63. "Pimpla (Epiurus) sagax Htg. ♂." Rye Water, Leixlip, KD.
A.W.S. 15.5.28.

64. "Pimpla (Epiurus) brevicornis Grav." Very large ♀. Bohernabreena, Du.
A.W.S. "= nigriscaposum Thoms." fide A.R.

65. "Pimpla (Epiurus) brevicornis Grav." Very small ♀. Arklow district
Wl. 30.4.26. "Small specimen of No. 3" (i.e. 64!) A. Roman.

66. "Pimpla (Itoplectis) maculator F." "var. with black body, I think!" A.R.
Garden at Mayfield, Harold's Cross, DU. July 1921.

~~67. "Pimpla ovivora Boh. (= angens Grav.). Typical form!"~~
~~Deputy's Pass, Wl. 18.8.25. A.W.S.~~

~~68. "Pimpla ovivora~~

67. "Pimpla (Itoplectis) alternans Grav. ♀ near to var. Kolthoffi Aurivi."
Deputy's Pass, Wl. 18.8.1925. A.W.S.

68. "Pimpla (Tromat.) ovivora Boh. (= angens Grav.) Very large ♀ with dark legs": Rathdrum, Wl. 7.7.1926. A.W.S.
"A remarkably dark var.!" "Very large specimen"! fide A.R.

69. "Pimpla (Tromat.) ovivora Boh. Typical ♀." Powerscourt demesne, Wl. 4.10.1928. A.W.S. "Regularly coloured! (in N. & C. Europe the mesopleura are often spotted with red)" fide A.R.

70. "Pimpla (Iseropus) stercorator F. (P. Holmgreni Schm.: an unnecessary new name for Fabricius no doubt described just this ♂)" A.R.
Arklow district, C. Wl. 9.6.26. P.T.O.
A.W.S.

Dr. Roman's notes continued.

71 ~~70~~. "*Polysphincta* tuberosa Grav." ♂. [Had this named "P. *rufipes* Grav.?" & A.R. says "I see no difference" but whether he means that the two species are synonymous or something else is not clear to me! AWS.]
Rathdrum, Wi. 7.7.26. A.W.S.

72. "*Polysphincta* tuberosa Grav." ♀
Rathdrum, Wi. 12.6.1927. A.W.S.

73. *Polysphincta pallipes* Holgr. ♀. "Correct"! A.R.
Camphire oak-wood, by R. Blackwater, S. of Cappoquin, Co. WA. A.W.S. 16.8.1928.

~~73~~. "*Polysphincta clypeata* Hgn." ♀
74. Powerscourt-demesne, Wi. A.W.S. 4.10.28.
"near *Acrodactyla* but lacking the cristulae before the notauli" *fide* A. Roman.
I still think my specimen is referable to [illegible] of *Acrodactyla* madida! AWS 1929.

[Next list of things sent Roman at end of 1929. Vol. 3. p. 100.

List of [illegible] sent to [illegible]
14.2.38.

36 [illegible] [illegible] [illegible] 10.6.38
37 " [illegible] [illegible] [illegible] [illegible]
[illegible]

38-39 [illegible] [illegible] [illegible] 10.6.32
[illegible] [illegible] 26.2.33

40 [illegible] [illegible] [illegible] [illegible] 12.1.34
41 [illegible] [illegible] [illegible] [illegible] 22.3.20
42 [illegible] [illegible] [illegible] [illegible] 1936 [illegible]
43 [illegible] [illegible] [illegible] [illegible] 1937 [illegible]
44 [illegible] [illegible] [illegible]
45 [illegible] [illegible] [illegible]

List of Ichneumonidae sent to Dr Roman
14, 2, 28

35. Ischnocerus seticornis ♂, Clara. 14.6.28.
36-37. " filicornis ♂ & ♀, Ballyhenry, 5.5.26.
Em. ♂ 10.5.26. ♀. 21.5.26.

38-39 Pimpla clavicornis ♂. Rathdrum. 12.6.27.
♀. K. Pk. Rush. 26.6.23.
40. Schizopyga podagrica or atra? ~~♀~~ ♂ Arklow Df. 13.6.26.
41. Phthorimus compressus ~~Dav.~~ ♀. Clooncoose, CL. 22.7.24.
42. Ephialtes antefurcalis ♀. Bovey Tracey. VII.1926. R.C.L.P.
43. Thalessa curvipes ♀. Chudleigh. VI.1920. RCLP.
44 Pimpla ruficollis var.? ♀. N. Abbot. 14.5.23. RCLP.
45. Phobocampa unicincta ♀. St. Col. Coll. from V. urticae
A.M.S.
46. Pezomachus sp. 4 ♀♀. St. Cols. Coll. hyperparasites on last.
47-48 ♂ & ♀ . Ex Emp. moth Cocoon Glendhu Mt.
49-50. ♂ & ♀ micropterus " " "

1st Aug. 6♂ 1♀

11th 4♂ 2♀

Near Roscrea, N. Tipp[y].
10/9/26. R.A.P.

Halictus albipes 2 ♂♂.
" nitidiusculus 1 ♂
" leucopus 1 ♂. ✓

Yellow + black bumble is
a ♂ Psithyrus campestris
(pale form).

3 ichneumons.

Rathdowney, ♀ ♂. R.A.P.
16/9/26.

Halictus nitidiusculus 1 ♂

Edn.

Edn.

village, D4. Edn.

DEPARTMENT OF AGRICULTURE
AND
TECHNICAL INSTRUCTION.

Templemore, N. Tipp.
R. A. P. 21/9/26.

Halictus calceatus 3♂♂ 1♀.
" albipes 1♂
" freygessneri 5♂♂ 1♀.
" tumulorum 3♂♂ 1♀.
" smeathmanellus 5♂♂ 2♀♀.
" leucopus 2♀♀.

Sawfly. Athalia lineolata

5 Ichneumons
1 Cynipid (i.e. Gall making "wasp")

Beetle. Chrysomela banksii
v. common.

P. T. O,

Watson, Knockavun,
Ballineddin
Cloonshaun Lodge = Cork.

Near Roscrea, N. Tipp'y. 10/9/26. R.A.P.

Halictus albipes 2 ♂♂.

" nitidiusculus 1 ♂

" leucopus 1 ♂. ✓

Yellow & black bumble is a ♂ Psithyrus campestris (pale form).

3 ichneumons.

Rathdowney, Q. C. ✓ R.A.P.
16/9/26.

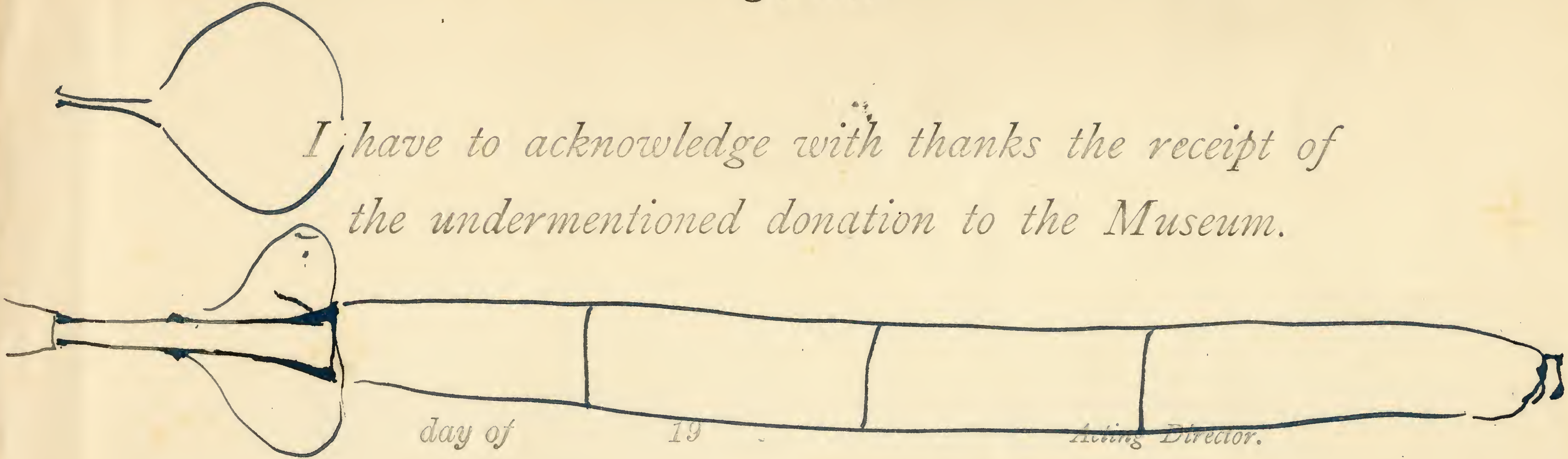
Halictus nitidiusculus 1 ♂

Hemiteles fulvipes &c. hatched from packet of Apanteles cocoons from Sutton by E.On.

1st May. 6♂ 1♀.
11th. 2♂ 2♀
12 1 . 1
13. 2 —
15. 1 3.
19. 1. 3.
24. 1. 7
26. 1. 6
1 chalcid.
1 ♂ Apanteles.
28. 1 chalcid.
— 3
Sub. 1 - 7.
5 Apanteles.
(3♂ 2♀)

Dublin

I have to acknowledge with thanks the receipt of the undermentioned donation to the Museum.



day of 19 . Acting Director.

DRPB. coll. Bagenalstown.

Salius fuscus 1♂ 2♀♀. ✓

Mellinus arvensis 7♀♀ (3 best kept). ✓

Gorytes mystaceus 1♀. ✓

Odynerus pictus 3♂♂ 2♀♀ ✓
(1 each kept)

O. parietinus 6♀♀ (4 kept). ✓

O. sinuatus 5♀♀ (2 kept). ✓

O. parietum 2♀ (kept). ✓

Crabro vagus 1♂ ✓

" cavifrons 3♂♂ 2♀♀ ✓
2 each kept.

" leucostoma 5♀♀, 2 kept. ✓

Pemphredon lugubris 4♀♀ ✓ (2 kept)

Pompilus niger. 1♀. ✓

Vespa vulgaris 2♀♀ (1 kept.) ✓

Chrysis ignita 1 ✓

Nomada marshamella ♂ & ♀.

" bifida ♂ & ♀. ✓

" goodeniana ♂ ✓

Halictus calceatus 4♂♂ 1♀ ✓
(only 1 ♂ fit to keep!)

" rubicundus 1♂ 2♀♀ ✓
(all too bad to keep: kept 1♀)

" tumulorum 2♂♂ (1 kept). ✓

Andrena jacobi 3♂♂ 2♀♀, ✓
(1 each kept)

" nigroaenea. ♂ & ♀ (♀ kept). ✓

" [illegible] 1♀ ? bred ✓

" clarkella 1♀. ✓

Bombus jonellus ♀. ✓

B. derhamellus ♀. ✓

B. vestalis ♀ ✓

" distinctus ♀ ✓

" campestris: small black ♀. ✓

Lissonota (maculata Brischke)?

4. 6. 1926. At stump of tree Glenart Woods, W. of Arklow. 1 ♀.

13. 6. 1926. Another ♀ on same stump as last.

14. 6. 1926. Another ♀ at stump Rathdrum. } This specimen sent to Rev. W. F. Johnson 25/9/26!

15. 6. 1926. Another ♀ at stump Rathdrum.

20. 6. 1926. [Another ♀ at logs, E. of river, not far above gate, Deerpark, Powerscourt. } This specimen sent to Manchester 1.10.1926

25. 6. 1926. Another ♀ taken by E. O'M. on elm post at Heronstown, Raheny, Du.

1. 7. 1926. Another ♀ at old willow tree at foot of lane, Mayhoraleg.

9. 7. 1926. Another ♀ at same place.

11. 7. 1926. Another ♀ at same place.
This specimen sent to Dr. A. Roman, 16.9.1926!

Lissonota maculata.

3.7.24. Moy Ho., Lahinch, Cl.

6.7.24. Raheny, Du. Eóin.

17.6.24. Larkhill, Baldoyle, Du. Eóin.

12.6.27. St. Anne's, Clontarf, Du. Eóin.

14.6.27. At stump, N. of Portmarnock village, Du. Eóin.

8.7.27. Rathdrum (2♀♀) Wi.

10.6.28. Rathdrum (6♀♀) Wi.

7.6.28. Deerpark, Powerscourt, Wi.

R.A.P. Maryborough : Qc.
26/9/26.

Ps. campestris ♂♂ both vars. ✓
B. dorhamella ♂.
Hal. nitidiusculus ♂♂

White gate, F.C.
R.A.P. 20.8.26 ✓
♀. bratho caripons.

Pertunna S.G. 2.7.26.
Hal leucopus ♀ ✓
& altipes ♀♀.

Balliandra 6.7.26 ✓
B. agrorum [illegible] ♀

R. A. P.

Abbeyleix, Q.C. 17.6.27.

Andrena fucata ♀♀
" albicans, worn ♀.
Gorytes mystaceus 1♂ 3♀♀.
Crabro chrysostomus 1♂.
Pemphredon lugubris 1♂
Tenthredopsis 1 ♀
Tenthredella mesomelas ♀
Alomyia debellator 12 ♂♂.
2 ichs.

Abbeyleix, Q.C. 21.6.27.
Pompilus spissus 5 ♂♂ 3 ♀♀.
P. nigerrimus 2♂♂ 1♀.
Crabro vagus 1♂
" chrysostomus 1♂.
Andrena (subopaca
or saundersella) ♀
Tenthredopsis 1♀
Tenthredella atra 1♀.
Eriocampa ovata 1♀.
Ichneumon 1 sp.

Maryborough, Q Co.
12.6.27.

Pachyprotasis rapae ♂ & ♀.

Abia sericea 1 ♀.

Selandria stramineipes 4 ♀♀.

S. temporalis 1 ♀.

Rhogogaster fulvipes ♀.

Empria sp. ♂

See RCLP's letter
dated 18.1.28.

Kilkenny 4.7.27.

Crabro aphidum ♀ & RCLP.

98

p. 62-63

Powerscourt 10.9.26.
P. nigerrimus. [illegible]
7 [illegible].

Rathdrum 12.9.26.
10 [illegible].
Sph. affinis. [illegible]

[illegible] 16/9/26. [illegible].
10 [illegible].
[illegible] [illegible] ♂.

Glena 5/9/26
Crabro varius ♀ chrysostomus ♂
& podagricus ♀
Sphecodes affinis ? ♂
[illegible] [illegible].

W. Galway, NG. 15/7/26.

Odynerus parietum ♀

Andrena gwynana ♀ 2nd brood.

Athalia lineolata. 1

Tenthredopsis [illegible] ♀.

Pimpla instigator ♀.

& 2 other ichneumons.

Beetles.

Birr, KC. 18/6/26.

Andrena jacobi 2 ♀♀.

" albicans 3 ♀♀.

Halictus albipes 1 ♀.

Crabro leucostomus 1 ♂.

Tenthredo arcuata 1 ♀.

Tenthredella mesomelas. 2 ♀♀.

" livida 1 ♂ (? 1 ♀).

Athalia lineolata 2

Alomyia debellator 1 ♀.

Ballybrophy, QC. 18.6.26.

Andrena jacobi 1♀.
„ fucata 1♂.

Tenthredo arcuata 1♀.
„ -ella mesomela 1♂.

Beetle
Donacia comari

Portumna SG. 26.6.26.

Myrmica scabrinodis ☿
Hylaeus confusus ♀♂♂
(small white faced bee!)

Tenthredo arcuata

Beetle. —
Bug. —

Portumna, SG. 27/6/26.

Halictus freygessneri 1♀.

1 ichneumon.

Donacia comari

5. th. ill

Portumna, SG. 28/6/26.

Andrena albicans 3♀♀
Odynerus pictus 3♂♂
Athalia lineolata
Tenthredo arcuata 1♂
Tenthredella mesomela 1♀

3 ichneumon
1 beetle, same as on 26/6/26

Woodford, S.G. 1.7.26.

Halictus freygessneri 2 ♀♀.

[illegible] Crabro chrysostomus

2 ichneumons
2 beetles

New Ross. Co WX. 8/6/26.

Andrena albicans 1 ♀
" nigroaenea 1 ♀
" fucata 1 ♂ 4 ♀♀.
" ~~[illegible]~~
" saundersella 5 ♀♀. 1 ♂

Sawflies.

Selandria stramineipes ♀ & c.b.

Tenthredopsis sp. ♂ & ♀.

Tenthredo arcuata 2 ♂.

4 of ichneumon

Beetles.

Kilkenny. 16/6/26

Andrena albicans 2 ♀♀.
Nomada bifida 1 ♀
„ marshamella 2 ♀♀.

Odynerus pictus 1 ♂

Tenthredo arcuata 1 ♂.
„ ella mesomelas 1 ♂ 1 ♀.

4 ichneumons
Beetle.

Garden at Gardiner's Hill
on Rosa hibernica. 14/6/26.

Halictus calceatus 2 ♀♀.
„ albipes 2 ♀♀.
Sawflies.
Allantus cinctus 1 ♀.
Athalia lineolata 1
Emphytus cinctus 1♀ }
Pteronidea ribesii 1♀ } all ✓
Cladius difformis 3♀♀. } RCLP.
1 bug.

Thomas town. KK. 16/6/26.
Vespa sylvestris ♀

Pill-beetle.

Sawflies returned by Perkins with letter dated 12/3/29

Pachynematus umbripennis or clitellatus ♂ 18/8/28 small ♀ 21/8/28 Kilbarrack DU [J.N.H.] ✓

" " " " ♀ 10/8/28. Sutton DU, J.N.H. ✓

Pachyprotasis antinata ♂ Glenmacnass WI 24/6./28 A.W.S. ✓

Athalia lugens ♀ Clashganny CW 24/6/28 R.A.P.

" " ♂ King's River WI 19/7/28 A.A.L. ✓

Pristiphora pallidiventris ♀ Kilkenny 16/6/28 R.A.P.

Blennocampa ♂ ?tenuicornis typical form. see letter Kilkenny 16/6./28 R.A.P.

Selandria stramineipes ♀ Rathdrum WI 11/7/28 A.W.S. ✓

Pteronidea "very difficult" ♂ flavescens ?- Glenmacnass WI. 24/6/28 A.W.S. ✓

Tenth. atra ♀ King's River WI 19/7/28 A.A.L. ✓

Pachynematus clitellatus ♀ Raheny DU 17/6/28 E. O'M.

Sel. serva ♂ ♀ Coan, Glen of Imaal WI 3/7/28 A.W.S. ✓

Loderus vestigialis ♀ Powerscourt Dpk. WI 19/6/28 A.W.S. ✓

Dolerus palustris ♂ " " 20/6/28 " " ✓

Athalia lineolata ♀ Lough Inagh WG. 12/9/28 A.W.S. ✓

Pachynm. obductus ♀ Arklow WI. 18/9/28 J.N.H. ✓

Pachypp. antinata ♀ Upper Glenasmole DU 9/7/28 A.W.S. ✓

Dolerus aeneus ♂ Glenmacnass WI 24/6/28 A.W.S. ✓

" " 2 ♂♂ Powerscourt Dpk. WI. 20/6/28 A.W.S ✓

" " ♀ Upper Glenasmole DU 5/7/28 A.W.S. ✓

Tenth. balteata ♂ + ♀ " " " " " ✓

Pteronidea myosotidis ♂ var?? Cappagh WA 28/7/28 A.W.S. ✓

Nematinus luridus ♂ Ballyvoyle WA - 27/7/28 A.W.S ✓

2.

Cladius pectinicornis	♂	Ballinakemera WA	1/8/28	D.W.S.	✓
" "	♀	Magagika Cappagh WA	17/8/28	"	✓
Priophorus padi	♂ var.	Rockfield Cappagh WA	2/8/28	"	✓
Emphytus pallipes	♀	" " "	" "	"	✓
Phyllotoma vagans	♀	" " "	" "	"	✓
Selandria morio	♀	Magagika Cappagh WA.	4/8/28	"	✓
Dolerus aeneus	♂	1500ft. Coomshingaun WA	5/8/28	"	✓
Sel. cinereipes	♀	Glenmore WA	16/8/28.		✓
Pristiphora pallidiventris	♀	Helvic Head WA	17/8/28	"	✓
Emphytus pallipes	♀	Stradbally WA	18/8/28	"	✓
E. cinctus	♀	Portrane DU	31/8/28	"	✓
Croesus latipes	♂?	Clonmel WA	25/7/28	J.N.H.	✓
Pachyn. obductus	♀	" "	" "	"	✓
Amet. equiseti	♀	" "	" "	"	✓
Pristiphora ruficornis	♂	" "	July	"	✓
Selandria serva large	♀	" "	"	"	✓
Emphytus calceatus	♀	" "	"	"	✓
E. cinctus var	♀	" "	"	"	✓
Pristiphorus padi	♀	" "	"	"	✓
Athalia lineolata	~~♀~~ ♂	" ST	23/7/28	"	✓
Amet. glabrata	♂	" "	" "	"	✓
Pachynematus vagus	♀	" "	July	"	✓
Tom. luteiventris	♂	" "	"	"	✓
Caliroa limacina	♀	" "	"	"	✓
Pachynematus diaphanus var?	♀	Kilbarrack DU.	28/8/28	" "	✓
Amet. glabrata	♀	Portrane DU	2/9/28	D.W.S	✓
Cladius difformis	♀	"	"	" "	✓
Pachynematus obductus	♀	Kilbarrack DU	28/8/28	J.N H	✓

2)

Priophorus padi var or P. brullei ♀ Mayfield Harold's X Dn A.W.S, 1.7.

√ Pteridinia melanaspis 2♂s. Devils Glen W1 4.5.28. A.W.S.

var. with antennae almost black

Trichiocampus viminalis ♀ Valentia SK. 28.6.28. Foster.

√ Loderus vestigialis ♂ Glen of Imaal W1 3.6.28 A.W.S

√ Dolerus bimaculatus ♂ " " " " " " "

√ D. niger 2♀♀ " " " " " " "

√ D. gessneri ♀ " " " " " " "

√ D. oblongus ♂ var " " " " " " "

R.C.L.P. "very aberrent! Head too wide behind eyes, vertical area too distinct, mesonotum too well punctured towards tegulae as compared with my idea of ordinary oblongus"

√ Empiria klugi ♀ Glen of Imaal W1. 3.6.28 A.W.S.

√ E. liturata ♂ " " " " " " "

√ Sel. morio ♀ " " " " " " "

√ Rh. aucupariae ♀ Rathdrum W.1. 10 6.28 " "

√ Loderus vestigialis var ♀ Powerscourt Dpk. " 7.6.28 " "

Hemichroa ~~crocea~~ ♀ Kilrush CL R.A.P. 25.6.28

Pachynematus scutellatus ♀ " " " " " " "

Dineura viridedorsata ♀ " " " " " " "

Sel. morio ♀ Mountmellick QC. 7.5.28. R.A.P.

√ Tom. dubius var. micans ♀ Devil's Glen W1 17.6.28 A.W.S.

√ Tenthr. baltiata ♂ Glen^{m}acnass W1 24.6.28 A.W.S

√ Dolerus picipes ♂ " " " " "

√ D. aeneus ♂ + ♀ " " " " "

√ Sel. straminipes In motor after Glen of Imaal W1 23.6.28 "

R. D. P's Collecting

Borris-o'kane N.T. 19. 8. 27

Vespa rufa ♂
Andrena gwynana ♀
Sphecodes sp ? Two ♂'s, one ♀.
Odynerus sinuatus ♀
Lepto-thorax sp. ?
Selandria serva
Halictus smeathmanellus ♀
Alomyia debellator
Exetastes cinctipes
Glypta "nigrotrochanterata" ♀
Euryproctus defectivus
and about six other species of ichs.

Portumna S.G. 21. 8. 27

Vespa norwegica ♂
V. austriaca 3 ♂s.
Myrmica scabrinodis winged ♀s.
Pemphredon schuckardi ♀
Crabro chrysostomus ♂ + ♀
Athalia lugens
Pimpla instigator ♂ (large)
Bombus lucorum worker ?
Several Ichs.

Dolerus aeneus	♂	Powerscourt	Dpk.	A.W.S.	24.5.28
Monophadnus pallescens	♀	"	"	"	" "
Loderus vestigialis	♂	"	"	"	" "
Empria longicornis	♂ (?)	Ennis	C.L.	R.A.P.	12.5.28
Dolerus aeneus.	♂.	Clara	WI	A.W.S	29.5.28
" niger	♀	"	"	"	" "
Scolioneura betuleti	♂	Aughrim Wood	WI	A.A.L.	25.5.28
Selandria serva	♂	Aughrim	" "	" "	27.5.28
Abi~~[illegible]~~a candens	♀	Waterloo Bride Glen of Imaal		A.A.L.	28.5.28
Dolerus nigratus	♂ + ♀	"	"	"	" " "
Loderus vestigialis	4 ♂s and 2 ♀s	Bohernabreena	DU.	A.W.S.	31.5.28
Dolerus haematodes	2 ♂s	"	"	"	" " "
" picipes	♀	"	"	"	" "
Dolerus nigratus	♀	"	"	"	" "
" bimaculatus	♀	"	"	"	" "
Pachyprotasis rapae	♂	"	"	"	" "
Empria immersa	♂	"	"	"	" "
" longicornis	♀	"	"	"	" "
Ametastegia equiseti	♂	Portmore	A.N	" "	2.6.28

Saw-Flies May 1928 Identified by R. C. L. P.

Hoplocampa flava = ferruginea	♀	Althy	KD	J. O'Mahony	2 : 5 : 28
Blenocampa tenuicornis var humeralis	♀	Killbarrick	DU	E. O'Mahony	5 . 5 . 28
Dolerus oblongis	♂	Boher-na-breena		A. W. S	8 . 5 . 28
D. haematodes	♂	" "		" "	8 . 5 . 28
D. palustris	♂	Ballyluck	W. I	" "	13 . 5 . 28
Pontania bella (?)	♀♀	"	"	" "	" " "
Rhogogaster ~~aucup~~ aucuparia	♀	Rye Water	KD	" "	18 . 5 . 28
Dolerus palustris	3 ♂s one very aberrent	" "			" " "
Pachynematus clitellatus	♀	" "		"	" "
Selandria flavens	4 ♂s and one ♀	" "		"	" "
Blenocampa tenuicornis	2 ♀s	" "		"	" "
" " "	[(?) one ♂ aberrent small ~~1/12~~ 1/10" supernumerary antennal joint on one side. Tegulae black as in typical tenuicornis whereas all I have seen have these pale as in the female = var humeralis {Voll"} form R.C.L.P. 7/12/28]	Rye Water			18 . 5 . 28
Dolerus nigratus	3 ♂s and 2 ♀s	" "			" " "
Dolerus haematodes	♂	" "			" " "
Dolerus picipes	♂	" "			" " "
Dolerus aeneus	♂	Dunamace	QC.	A W S	6 . 5 . 28
Cladius pectinicornis var difformis	♀	Shankill	DW	A.A.L	24 . 5 . 28
Rhogogaster aucuparia	2 ♂s	Devils Glen	W I	A.W.S.	20 . 5 . 28
Pachyprotasis rapae	♂	" "	"	"	" "
Emphytus carpini	♂	" "	"	"	" "
Pontania sp ?	♂	" "	"	"	"

R.A.P's collecting.

Birr, King's Co. 14. 8. 27.

Myrmosa melanocephala 2♀♀ var.

Pezomachus sp. ♀.

Mellinus arvensis & prey. 2 spp. Diptera.

Colletes glutinans ♀.

Crabro IV maculatus chrysostomus ♀.

Ichneumon: Cryptid ♀.

~~Pristophora~~ Pristiphora pallidiventris ♀ ✓RCLP.
Birr, King's Co. 14. 8. 27.

Birr, King's Co. 16. 8. 27.

Crabro chrysostomus ♀.

Ambyteles ?? subsericans ? ♂ ?

Mt. Butler, near Roscrea, 17. 8. 27.

Arge cyanella 3♂♂ 2♀♀.

Athalia lugens ? 3♀♀.

Crabro vagus ♂.

Ichneumonidae! —

Banchus fornicator ♀ Roman No. 113.

~~Exetastes cinctipes~~ ♀. Glypta mensurator ♀ G. "nigrotrochanterata" ♀ (red)

Meniscus impressor ♀ ?

Sawflies. 1928

Dolerus nigratus	♂	Monaglogh.	11. 4. 28	
" "	♂	Clara	29. 4. 28	
" "	♂	Boher-na-breena	1. 5. 28	
D. haematodes	♂	Boher-na-breena	1. 5. 28	
D. aeneus	3 ♂s	Clara	29. 4. 28	
D. rugulosus	♂	Gold Mines Valley	11. 4. 28.	
" "	♂	Clara	29. 4. 28.	
D. oblongus	5 ♂s	Monaglogh	11. 4. 28	
" "	♂	Boher-na-breena	1. 6. 28.	
D possilensis	♀	Boher-na-breena	1. 5. 28.	
D. sp. }	♀	Gold Mines Valley	26. 3. 28.	
(near anthracinus) }	♀	~~Magherateg~~ Ballyfenny	1. 4. 28	
Abia sericea	♀	Co. Tyrone.	16. 7. 23	[T. Greer]
Pontania sp ?	♂ ~~2♂s~~	Devil's Glen	4. 6. 28	
P. sp ?	♂ ~~1♂~~	" "	" " "	
Euura sp. ?	3 ♂s	" "	" " "	
Pteronidea sp. nov.	11 ♂s + 1♀	" "	" " "	

[illegible]

Sawflies returned by Dr. Perkins 8. 3. 29.

Dolerus haematodes ♂ Bohernabreena Du. 8. 5. 28 (S. & S.)
" " ♂ " " " "
D. nigratus ♀ Powerscourt, Wi. 24. 5. 28. Miss Scott.
D. gesneri ♀ " " 4. 7. 28. "
D. niger ♀ " " 4. 7. 28. "
D. aeneus ♂ Pine Forest, Du. 30. 4. 28. "
D. aeneus ♀ large Ballycastle, AN. 26. 8. 28. "
D. oblongus ♀ var. Bohernabreena, Du. 8. 5. 28. (S. & S.)
D. aeneus ♂ Powerscourt, Wi. 4. 7. 28. Miss Scott.
Pristiphora) pallipes ♀ Monkstown Du. G. C. S. 12. 6. 27
Pteronidea ferruginea ♂♂ bred from larva taken on 5th Aug 1928 Fairhead AN. G.C.S
emerged on 11th Sept. 1928. Perkins adds "the stigma is more bordered than usual"
✓Loderus vestigialis ♀ Portmore AN A. W. S 2. 6. 28.
✓Dolerus aeneus ♂ Ballinderry AN A. W. S 2. 6. 28.
✓Rh. aucupariae ♀ Selshan AN " " " "
✓Ath. lineolata ♂ " " " "
✓Dolerus palustris ♂ " " " " "
✓Dolerus pratensis ♂ " " " "
✓Dolerus aeneus ♀ " " " " "
Dineura testaceipes ♀ Roscrea NT R. A. P. 5. 6. 28
✓Sel. serva ♂ Selshan A. N A. W. S 2. 6. 28.
✓Sel. morio ♀ " " " " "
✓Sel. flavens Ballineddin Glen of Imaal WI. 23. 6. 28